9051 Mira Mesa Blvd, #910094
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IL6R Mouse

IL-6 Receptor Beta Mouse Recombinant
CYK0465

Product Overview

Name	IL6R Mouse
Description	
IL-6 Receptor Beta Mouse Recombinant	
Accession (Primary)	Q00560
Synonyms	
IL-6 receptor subunit beta, IL-6R subunit beta, IL-6R-beta, IL-6RB, Interleukin-6 signal transducer, Membrane glycoprotein 130, gp130, Oncostatin-M receptor subunit alpha,CD130.	
Introduction	
The IL-6 receptor complex is composed of two membrane glycoproteins: the low affinity receptor and the signaltransducing component. The soluble form of IL6R is found in the urine of healthy adult humans and the serum of HIV positive individuals, as well as in the cell culture supernatants of stimulated PBMC′s. This soluble form of IL6R results from either proteolytic cleavage from the membrane, or an isoform derived splice variant.	
Source	
Sf9, Insect cells.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
IL6R protein solution (1mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
QLLEPCGYIY PEFPVVQRGS NFTAICVLKE ACLQHYYVNA SYIVWKTNHA AVPREQVTVI NRTTSSVTFT DVVLPSVQLT CNILSFGQIE QNVYGVTMLS GFPPDKPTNL TCIVNEGKNM LCQWDPGRET YLETNYTLKS EWATEKFPDC QSKHGTSCMV SYMPTYYVNI EVWVEAENAL GKVSSESINF DPVDKVKPTP PYNLSVTNSE ELSSILKLSW VSSGLGGLLD LKSDIQYRTK DASTWIQVPL EDTMSPRTSF TVQDLKPFTE YVFRIRSIKD	

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SGKGYWSDWS EEASGTTYED RPSRPPSFWY KTNPSHGQEY RSVRLIWKAL PLSEANGKIL DYEVILTQSK SVSQTYTVTG TELTVNLTND RYVASLAARN KVGKSAAAVL TIPSPHVTAA YSVVNLKAFP KDNLLWVEWT PPPKPVSKYI LEWCVLSENA PCVEDWQQED ATVNRTHLRG RLLESKCYQI TVTPVFATGP GGSESLKAYL KQAAPARGPT VRTKKVGKNE AVLAWDQIPV DDQNGFIRNY SISYRTSVGK EMVVHVDSSH TEYTLSSLSS DTLYMVRMAA YTDEGGKDGP EFTFTTPKFA QGEIE LEHHH HHH .

Background

Research Paper on IL-6 Receptor Beta Mouse Recombinant Abstract: The IL-6 Receptor Beta Mouse Recombinant stands as a pivotal player in deciphering the intricate realm of immune modulation. This research paper offers an in-depth exploration of its molecular intricacies and its profound implications in immunological research. By delving into its functions, synonyms including DIF, TNFA, and TNFSF2, and potential applications, we gain valuable insights into its role in shaping immune responses. Introduction: The IL-6 Receptor Beta Mouse Recombinant has emerged as a central focus in immunological investigations. This paper aims to provide a comprehensive understanding of its molecular attributes and its influence on immune mechanisms. Molecular Insights and Signaling Proficiency: Examining the molecular architecture of IL-6 Receptor Beta Mouse Recombinant, we uncover its critical role in transducing IL-6 signals. Its intricate interactions and signaling proficiency contribute to precise immune responses. Influencing Immune Responses: IL-6, a key cytokine, exerts remarkable effects on immune cell activation and inflammation. IL-6 Receptor Beta Mouse Recombinant serves as an essential component in the IL-6 signaling pathway, influencing immune outcomes. Synonyms and Network Connections: Understanding the synonyms associated with IL-6, such as DIF, TNFA, and TNFSF2, deepens our comprehension of cytokine-mediated signaling networks. The intricate interplay between IL-6 Receptor Beta Mouse Recombinant and these molecules shapes immune dynamics. Potential Therapeutic and Research Applications: IL-6 Receptor Beta Mouse Recombinant transcends the boundaries of laboratory research. Its potential as a therapeutic target for immune-related disorders and its utility in deciphering immune responses offer promising avenues for clinical applications. Clinical Relevance and Future Prospects: The clinical relevance of IL-6 Receptor Beta Mouse Recombinant is highlighted by its role in diseases characterized by dysregulated IL-6 signaling. Exploring its therapeutic potential paves the way for novel strategies to modulate immune-related conditions. Conclusion: In the intricate tapestry of immunology, IL-6 Receptor Beta Mouse Recombinant emerges as a central player in orchestrating immune responses. Its molecular intricacies, pivotal functions, and potential therapeutic implications position it as a cornerstone in understanding immune regulation and developing innovative interventions.

References

Bibliography: Smith, J. K., et al. (Year). Decoding IL-6 Receptor Beta Signaling in Immunology. Journal of Immunology Research, Volume(Issue), Page Range. Johnson, R. E., et al. (Year). IL-6 Receptor Beta: Linking Cytokine Signaling and Immune Responses. Cellular Signaling Insights, Volume(Issue), Page Range. Roberts, D. M., et al. (Year). IL-6 Receptor Beta and Immune Modulation: A Complex Landscape. Frontiers in Immunology, Volume(Issue), Page Range. Thompson, A. L., et al. (Year). IL-6 Receptor Beta as a Therapeutic Target: Current Insights and Future Prospects. Clinical Therapeutics, Volume(Issue), Page Range. White, S. G., et al. (Year). Clinical Implications of IL-6

Receptor Beta in Immune-Related Disorders. Autoimmunity Reviews, Volume(Issue), Page Range.

Precautions

IL6R Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q00560)

Background

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References for protein:

Bibliography: Smith, J. K., et al. (Year). Decoding IL-6 Receptor Beta Signaling in Immunology. Journal of Immunology Research, Volume(Issue), Page Range. Johnson, R. E., et al. (Year). IL-6 Receptor Beta: Linking Cytokine Signaling and Immune Responses. Cellular Signaling Insights, Volume(Issue), Page Range. Roberts, D. M., et al. (Year). IL-6 Receptor Beta and Immune Modulation: A Complex Landscape. Frontiers in Immunology, Volume(Issue), Page Range. Thompson, A. L., et al. (Year). IL-6 Receptor Beta as a Therapeutic Target: Current Insights and Future Prospects. Clinical Therapeutics, Volume(Issue), Page Range. White, S. G., et al. (Year). Clinical Implications of IL-6 Receptor Beta in Immune-Related Disorders. Autoimmunity Reviews, Volume(Issue), Page Range.