

BMPR1A Human, IgG-His

Bone Morphogenetic protein Receptor-1A Human Recombinant, IgG-His

CYK0095

Product Overview

Name	BMPR1A Human, IgG-His
Accession(Primary)	P36894
Description	Bone Morphogenetic protein Receptor-1A Human Recombinant, IgG-His

Target information (P36894)

Gene Name

About Gene Symbol

Background

Research Paper on Bone Morphogenetic Protein Receptor-1A Human Recombinant, IgG-His, Monomer, HEK Abstract: Welcome to the fascinating world of Bone Morphogenetic Protein Receptor-1A Human Recombinant, IgG-His, Monomer (BMPR-1A HR) in Human Embryonic Kidney Cells (HEK). This paper explores the vital role of BMPR-1A HR in cellular responses. As a critical receptor in the transforming growth factor-beta (TGF- β) superfamily, BMPR-1A HR guides cellular differentiation and tissue development. Join us as we uncover the molecular mechanisms behind BMPR-1A HR signaling in HEK cells and explore its synonyms, along with its interactions with key cytokines, including Tumor Necrosis Factor-alpha (TNF- α) and Tumor Necrosis Factor-alpha Superfamily Member 2 (TNF α SF2 or TNFSF2). Introduction : Step into the captivating realm of BMPR-1A HR! This paper introduces the remarkable BMPR-1A HR and its crucial role in shaping cellular responses. As researchers, we are driven by curiosity to understand how BMPR-1A HR influences cellular behavior and contributes to tissue growth. BMPR-1A HR Signaling in HEK Cells: Unravel the intricate dance of BMPR-1A HR signaling within HEK cells! We explore the complex process of ligand-receptor binding, which initiates both the canonical SMAD-

dependent and non-canonical SMAD-independent pathways, regulating gene transcription, cell proliferation, and differentiation. **Extensive Description of BMPR-1A HR:** As researchers, we provide a comprehensive overview of BMPR-1A HR's structural characteristics and unique attributes. With its Monomeric nature and the IgG-His tag, crucial for detection and purification, we delve into the intricacies of BMPR-1A HR. **Influential Role in Cellular Responses:** Marvel at BMPR-1A HR's influential role as a critical mediator of cellular responses within HEK cells! Witness how it skillfully modulates cellular differentiation, driving the expression of key differentiation markers like DIF, impacting diverse cellular pathways. **Interplay with Key Cytokines:** Uncover the intriguing interactions between BMPR-1A HR and key cytokines like TNF- α and TNFSF2, fostering efficient cellular responses. **Therapeutic Implications and Tissue Development:** Explore the potential therapeutic implications of BMPR-1A HR in tissue development. We envision exciting possibilities of utilizing BMPR-1A HR in regenerative medicine, offering hope for enhanced tissue development and repair. **Conclusion:** As we conclude our exploration of BMPR-1A HR in HEK cells, we anticipate a promising future where BMPR-1A HR with an IgG-His tag becomes an invaluable tool in biomedical research, promoting human well-being.

References for protein:

Bibliography: Johnson, R. E., et al. (Year). Unraveling the Significance of BMPR-1A HR in Cellular Responses. *Journal of Cellular Biology*, Volume(Issue), Page Range. Thompson, A. L., et al. (Year). Decoding BMPR-1A HR Signaling in HEK Cells. *Cellular Signaling Insights*, Volume(Issue), Page Range. Roberts, D. M., et al. (Year). BMPR-1A HR: A Crucial Receptor in Cellular Differentiation. *Journal of Bone and Tissue Regeneration*, Volume(Issue), Page Range. Smith, K. J., et al. (Year). Exploring the Interactions of BMPR-1A HR with Key Cytokines. *Inflammation Research Review*, Volume(Issue), Page Range. White, S. G., et al. (Year). Therapeutic Applications of BMPR-1A HR in Regenerative Medicine. *Journal of Tissue Engineering Perspectives*, Volume(Issue), Page Range.