9051 Mira Mesa Blvd, #910094
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IGFBP2 Mouse

Insulin Like Growth Factor Binding Protein-2 Mouse Recombinant
GRF0179

Product Overview

Name	IGFBP2 Mouse
Description	
Insulin Like Growth Factor Binding Protein-2 Mouse Recombinant	
Accession (Primary)	P47877
Synonyms	
IBP-2, IGF-binding protein 2, IGFBP-2, mIGFBP-2, Igfbp-2, insulin-like growth factor binding protein 2 isoform 1, insulin-like growth factor binding protein 2.	
Source	
HEK293 cells.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
IGFBP2 protein (1mg/ml) contains Phosphate-Buffered Saline (pH 7.4) 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 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
EVLFRCPPCT PERLAACGPP PDAPCAELVR EPGCGCCSVC ARQEGEACGV YIPRCAQTLR CYPNPGSELP LKALVTGAGT CEKRRVGTTP QQVADSDDDH SEGGLVENHV DGTMNMLGGG SSAGRKPLKS GMKELAVFRE KVNEQHRQMG KGAKHLSLEE PKKLRPPPAR TPCQQELDQV LERISTMRLP DDRGPLEHLY SLHIPNCDKH GRYNLKQCKM SLNGQRGECW CVNPNTGKPI QGAPTIRGDP ECHLFYNEQQ ETGGAHAQSV Q HHHHHH .	
Biological Activity	
The ED50 range is ≤ 0.7 ug/ml which measured by its ability to inhibit proliferation using MCF-7 human breast cancer cells in the presence of Mouse IGF-2.	
Background	
Insulin-like growth factor-binding protein 2 (IGFBP2) is a key regulator of insulin-like growth factor (IGF) signaling	

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pathway, playing crucial roles in cell proliferation, differentiation, and survival. IGFBP2, a member of the IGFBP family, modulates the bioavailability and activity of IGFs by binding to them and regulating their interaction with cell surface receptors. In recent years, IGFBP2 has emerged as a promising target for research due to its involvement in various physiological processes and its implications in several diseases, including cancer, metabolic disorders, and neurodegenerative conditions.

Precautions

IGFBP2 Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P47877)

Background

Insulin-like growth factor-binding protein 2 (IGFBP2) is a key regulator of insulin-like growth factor (IGF) signaling pathway, playing crucial roles in cell proliferation, differentiation, and survival. IGFBP2, a member of the IGFBP family, modulates the bioavailability and activity of IGFs by binding to them and regulating their interaction with cell surface receptors. In recent years, IGFBP2 has emerged as a promising target for research due to its involvement in various physiological processes and its implications in several diseases, including cancer, metabolic disorders, and neurodegenerative conditions.