Recombinant Mouse IGFBP-2 Protein (Sumo Tag)

RPES8203

Product Information

Product SKU:	RPES8203	**Expression Host**:	E.coli	**Size**:	20µg
Tag:	N-Sumo	**Reactivity**:	Mouse	**Accession**:	P47877

Additional Information

Calculated MW:	42.7 kDa	**Observed MW:**	45 kDa
Sequence:	Glu35-Gln305		

Protein Information

Background: IGFBP-2, also known as IGFBP-2, is an insulin-like growth factor-binding protein (IGFBP). IGFBPs prolong the half-life of the IGFs, control bioavailability, activity, and distribution of insulin-like growth factor (IGF) throµgh high-affinity IGFBP/IGF complexes. Six high-affinity IGF-binding proteins (IGFBP-1 to-6) have been identified. The six IGFBPs are structurally related but encoded by distinct genes. IGFBPs have a high affinity for IGFs. Some members of the IGFBP family have been consistently shown to inhibit IGF actions by preventing them from gaining access to the IGF receptors, while others potentiate IGF actions by facilitating the ligand-receptor interaction. IGFBP-2 is overexpressed in many malignancies and is often correlated with an increasingly malignant status of the tumor, pointing to the potential involvement of IGFBP-2 in tumorigenesis. It contains 1 IGFBP N-terminal domain and 1 thyroglobulin type-1 domain. It inhibits IGF-mediated growth and developmental rates.

Synonyms: IGF-binding protein, Insulin-like growth factor-binding protein, IGF-BP, mIGFBP, IBP2, IBP-2, IGF-binding protein 2, IGF-BP53, Insulin-like growth factor-binding protein 2, mIGFBP-2, Igfbp-2, Igfbp2, AI255832

Endotoxin: < 10 EU/mg of the protein as determined by the LAL method

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

Purity: > 90% as determined by reducing SDS-PAGE.

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Bio-Activity: Not validated for activity

Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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