

Product datasheet for **TP727371**

Igfbp6 Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse IGF Binding Protein 6/IGFBP-6 (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Ala26-Gly238
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Mouse Insulin-Like Growth Factor-Binding Protein 6 is produced by our Mammalian expression system and the target gene encoding Ala26-Gly238 is expressed with a 6His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	16012
UniProt ID:	P47880
Synonyms:	Insulin-like growth factor-binding protein 6; IBP-6; IGF-binding protein 6; IGFBP-6; Igfbp6; IBP6; IGF binding protein 6; insulin-like growth factor-binding protein 6
Summary:	Insulin-like growth factors (IGFs) comprise a family of endocrine, paracrine and autocrine polypeptides consisting of the ligands IGF1 and IGF2, two receptors (IGF1R, IGF2R), at least 6 IGF-binding proteins (IGFBPs) and IGFBP proteases. Among the binding proteins, IGFBP6 is unique because of its N-terminal disulfide linkages and its marked binding preference for IGF2. It is a potent inhibitor of the interaction between IGF2 and its receptor IGF1R, thus preventing major functions of IGF2, such as induction of proliferation, differentiation, cell adhesion, or colony formation. In particular, IGFBP-6 inhibited the growth of neuroblastoma and rhabdomyosarcoma xenografts. IGFBP-6 is expressed in many tissues, including lung, liver, gut and the central nervous system.



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