

32-8641: Recombinant Mouse IGF Binding Protein 6/IGFBP-6 (C-6His)(Discontinued)

Gene : Igfbp6
Gene ID : 16012
Uniprot ID : P47880

Description

Source: Human Cells.
MW :23.7kD.

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. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of PBS, EDTA,DTT,pH7.4.
Storage condition : 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.
Amino Acid : ALAGCPGCGAGMQTGCRGGCVEEEDAGSPADGCTEAGGCLRREGQPCGVYSPKCAPGLQCQPRENEEAPLR
ALLIGQGRCQRARGPSEETTKESKPQGGASRSRDTNHRDRQKNPRTSAAPIRPNPVQDSEMGPCRRHLDVSL
QQLQTEVFRGGARGLYVPNCDLRGFYRKQQRSSQGNRRGPCWCVDPMGQPLVPSPDGQGSTQCSARSSG
VDHHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.