



Recombinant Protein Technical Manual
Recombinant Mouse IGFBP-2/IGFBP2 Protein (Fc
Tag)
RPES2535

Product Data:

Product SKU: RPES2535

Size: 20µg

Species: Mouse

Expression host: HEK293 Cells

Uniprot: NP_032368.2

Protein Information:

Molecular Mass: 56.6 kDa

AP Molecular Mass:

Tag: C-Fc

Bio-activity:

Purity: > (65.9+24.5) % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: AI255832;IBP-2;Igfbp-2;mIGFBP-2

Immunogen Information:

Sequence: Met1-Gln305

Background:

IGFBP-2, also known as IGFBP2, is a 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) through high-affinity IGFBP/IGF complexes. Six high-affinity IGF-binding proteins (IGFBP 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 a potential involvement of IGFBP-2 in tumorigenesis. It contains 1 IGFBP N-terminal domain and 1 thyroglobulin type domain. It inhibits IGF-mediated growth and developmental rates.