Recombinant Human IGF2BP-2 (N-T7,C-6His)

Catalog No: CE98

Description	Recombinant Human Insulin-Like Growth Factor 2 mRNA-Binding Protein 2 is produced by our E.coli expression system and the target gene encoding Met1-Thr220 is expressed with a T7 tag at the N-terminus, 6His tag at the C-terminus.
Expression System	E. coli
Alternative name	Insulin-Like Growth Factor 2 mRNA-Binding Protein 2; IGF2 mRNA-Binding Protein 2; IMP-2; Hepatocellular Carcinoma Autoantigen p62; IGF-II mRNA-Binding Protein 2; VICKZ Family Member 2; IGF2BP2; IMP2; VICKZ2
Accession No.	Q9Y6M1
Predicted Molecular Weight	27.2kDa
Apparent Molecular Weight	43kDa, reducing conditions.
Quality Control	Purity: greater than 90% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
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. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Background	Insulin-Like Growth Factor 2 mRNA-Binding Protein 2 (IGFBP2) belongs to the RRM IMP/VICKZ family. IGFBP2 is a cytoplasmic protein and contains four KH domains and two RRM (RNA recognition motif) domains. IGF2BP2 binds to the 5'-UTR of the Insulin-Like Growth Factor 2 (IGF2) mRNA. This binding is isoform-specific. IGF2BP2 may regulate translation of target mRNAs. Genetic variation at the IGF2BP2 gene has been associated with type 2 diabetes (T2D) by genome-wide association studies and by replication analyses.

SDS-PAGE