

32-8118: Recombinant Human IGF2 mRNA-Binding Protein 2/IGF2BP2/IMP2 (C-6His, N-T7 tag)

Gene : IGF2BP2

Gene ID : 10644

Uniprot ID : Q9Y6M1

Description

Source: E. coli.

MW :27.2kD.

Recombinant Human IGF2BP2 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. 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.

Product Info

Amount : 10 µg / 50 µg

Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,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 : MASMTGGQQMGRGSEFMMNKLYIGNLSPAVTADDLRQLFGDRKLPLAGQVLLKSGYAFVDYPDQNWAIKRAIE
TLSGKVELHGKIMEVDYSVSKLRSRKIQIRNIPPHLQWEVLGLLAQYGTVENVEQVNTDTETAVVNVYATR
EEAKIAMEKLSGHQFENYSFKISYIPDEEVSSPSPQRAQRGDHSSREQGHAPGGTSQARQIDFPLRILVPTQFV
GAIIGKEGLTIKNITLHHHHHHH

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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