# Recombinant Human IGF2BP2 Protein (His Tag, N-T7 Tag)



#### Catalog Number: PKSH032557

Note: Centrifuge before opening to ensure complete recovery of vial contents.

# **Description**

Synonyms 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

Species Human
Expression Host E.coli

SequenceMet 1-Thr 220AccessionQ9Y6M1Calculated Molecular Weight27.2 kDaObserved molecular weight43 kDa

Tag N-T7 & C-His

# **Properties**

**Purity** > 90 % as determined by reducing SDS-PAGE.

**Endotoxin** < 1.0 EU per ug of the protein as determined by the LAL method.

**Storage** Generally, 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 a 0.2 μm filtered solution of PBS, pH 7.4.

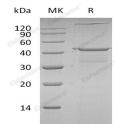
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

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

#### Data



> 90 % as determined by reducing SDS-PAGE.

# **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.

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