

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

Catalog Number: PKSH032557

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

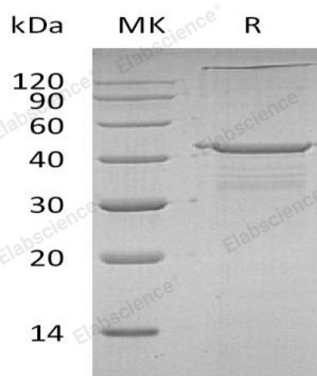
### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human IGF2BP2 protein Met 1-Thr 220, with an N-terminal T7 & C-terminal His
<b>Calculated MW</b>	27.2 kDa
<b>Observed MW</b>	43 kDa
<b>Accession</b>	Q9Y6M1
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	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/MICKZ 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.

### For Research Use Only