

Recombinant Human IGF2BP1 293 Cell Lysate

Cat. No. IGF2BP1-5265HCL Lot. No. (See product label)

SPECIFICATION

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| Species | Human |
| Source | HEK293 |
| Description | Antigen standard for insulin-like growth factor 2 mRNA binding protein 1 (IGF2BP1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection. |
| Components | This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol). |
| Size | 0.1 mg |
| Storage Instruction | Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment. |
| Applications | ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the |

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

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| Gene Name | IGF2BP1 insulin-like growth factor 2 mRNA binding protein 1 [Homo sapiens] |
| Official Symbol | IGF2BP1 |
| Synonyms | IGF2BP1; insulin-like growth factor 2 mRNA binding protein 1; insulin-like growth factor 2 mRNA-binding protein 1; IGF II mRNA binding protein 1; IMP 1; ZBP-1; VICKZ family member 1; zipcode-binding protein 1; IGF2 mRNA-binding protein 1; IGF-II mRNA-binding protein 1; coding region determinant-binding protein; IMP1; ZBP1; CRDBP; IMP-1; CRD-BP; VICKZ1; |
| Gene ID | 10642 |
| mRNA Refseq | NM_001160423 |
| Protein Refseq | NP_001153895 |
| MIM | 608288 |
| UniProt ID | Q9NZI8 |
| Chromosome Location | 17q21.32 |
| Pathway | Binding of RNA by Insulin-like Growth Factor-2 mRNA Binding Proteins (IGF2BPs/IMPs/VICKZs), organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Regulation of Wnt-mediated beta catenin signaling and target gene transcription, organism-specific |

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biosystem;

Function

mRNA 3-UTR binding; mRNA 5-UTR binding; mRNA binding; nucleotide binding; protein binding; translation regulator activity;

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