

Recombinant Full Length Human ITGB1BP2 Protein, GST-tagged

Cat. No. ITGB1BP2-5762HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ITGB1BP2 full-length ORF (NP_036410.1, 1 a.a. - 347 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	347 amino acids
Description	This gene encodes a protein with two cysteine and histidine-rich (CHORD) domains, PXXP motifs, YXXI/P motifs, putative SH2 and SH3 domain binding motifs, and an acidic region at the C-terminus that can bind calcium. Two hybrid analysis showed that this protein interacts with the cytoplasmic domain of the beta 1 integrin subunit and is thought to act as a chaperone protein. Studies in the mouse ortholog of this gene indicate that absence of this gene in mouse results in failed cardiac hypertrophy in response to mechanical stress. Alternative splicing results in multiple transcript variants encoding different isoforms, including an isoform that lacks several domains, including one of the CHORD domains. [provided by RefSeq, May 2017]
Molecular Mass	64.8 kDa
AA Sequence	MSLLCRNKGCGQHFDPTNTNLPDSCCHHPGVPIFHDALKGWSCCRKRTVDFSEFLNI KGCTMGPHCAEKLPEAPQPEGPATSSSLQEQLNVIKSAETLRRERPKSELPLKL LPLNISQALEMALEQKELDQEPGAGLDSLIRTGSSCQNPGCDAVYQGPESDATPCT

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YHPGAPRFHEGMKSWSCCGIQTLDGFAFLAQPGCRVGRHDWGKQLPASCRHDW
 HQTDSLWVVTVYGQIPLPAFNWVKASQTELHVHIVFDGNRVFQAQMKLWGVINVEQ
 SSVFLMPSRVEISLVKADPGSWAQLHPDALAKKARAGVVLEMDEEESDDSDDDL
 WTEEEEEEEAMGE

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [ITGB1BP2 integrin beta 1 binding protein \(melusin\) 2 \[Homo sapiens \]](#)

Official Symbol [ITGB1BP2](#)

Synonyms ITGB1BP2; integrin beta 1 binding protein (melusin) 2; integrin beta-1-binding protein 2; CHORDC3; ITGB1BP; MELUSIN; MSTP015; MGC119214;

Gene ID [26548](#)

mRNA Refseq [NM_012278](#)

Protein Refseq [NP_036410](#)

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MIM	300332
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UniProt ID	Q9UKP3
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