

## Recombinant Human ITGB1BP2 Protein, GST-tagged

**Cat. No.** ITGB1BP2-4982H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human ITGB1BP2 full-length ORF ( NP_036410.1, 1 a.a. - 347 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | 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] |
| <b>Molecular Mass</b>   | 64.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | MSLLCRNKGCGQHFDPTNLPDSCCHHPGVPIFHDALKGWSCCRKRTVDFSEFLNI<br>KGCTMGPHCAEKLPEAPQPEGPATSSSLQEQLPLNVIPKSAETLRRERPKSELPLKL<br>LPLNISQALEMALEQKELDQEPGAGLDSLIRTGSSCQNPGCDAVYQGPESDATPCT<br>YHPGAPRFHEGMKSWSCCGIQTLDGFAFLAQPGRCRVGRHDWGKQLPASCRHDW<br>HQTDSLIVVTVYGGIPLPAFNWVKASQTELHVHIVFDGNRVFQAQMKLWGVINVEQ                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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|                       |                                                                                                                   |
|-----------------------|-------------------------------------------------------------------------------------------------------------------|
|                       | SSVFLMPSRVEISLVKADPGSWAQLHPDALAKKARAGVVLEMDEEESDDSDDDL<br>WTEEEEEEEAMGE                                           |
| <b>Applications</b>   | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.                                            |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                          |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                          |

## GENE INFORMATION

|                        |                                                                                                                                          |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ITGB1BP2 integrin beta 1 binding protein (melusin) 2 [ Homo sapiens ]                                                                    |
| <b>Official Symbol</b> | ITGB1BP2                                                                                                                                 |
| <b>Synonyms</b>        | ITGB1BP2; integrin beta 1 binding protein (melusin) 2; integrin beta-1-binding protein 2; CHORDC3; ITGB1BP; MELUSIN; MSTP015; MGC119214; |
| <b>Gene ID</b>         | 26548                                                                                                                                    |
| <b>mRNA Refseq</b>     | NM_012278                                                                                                                                |
| <b>Protein Refseq</b>  | NP_036410                                                                                                                                |
| <b>MIM</b>             | 300332                                                                                                                                   |

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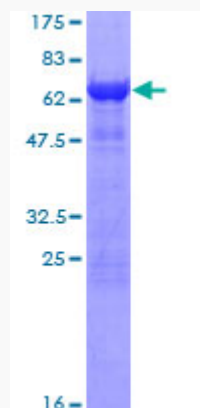
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UniProt ID

Q9UKP3

Quality Control  
Testing



12.5% SDS-PAGE Stained with Coomassie Blue

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