

## Product datasheet for **TP315481M**

### ITGB1BP2 (NM\_012278) Human Recombinant Protein

#### Product data:

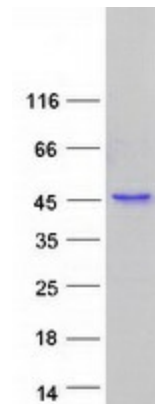
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human integrin beta 1 binding protein (melusin) 2 (ITGB1BP2), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215481 representing NM_012278 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MSLLCRNKGCGQHFDPTNLPDSCCHHPGVPIFHDALKGWSCCRKRTVDFSEFLNIKGCTMGPHCAEK LP EAPQPEGPATSSSLQEQLNVPKSAETLRRERPKSELPLKLLPLNISQALEMALEQKELDQEPGAGLD SLIRTGSSCQNP GCDAVYQG PESDATPCTYHPGAPRFHEGMKSWSCCGIQTLD FGAFLAQP GCRVGRHD W GKQLPASCRHDWHQTDSLWVTVYGQIPLPAFNWVKASQTELHVHIVFDGNRVFQAQMKLWGVINVEQ SS VFLMPSRVEISLVKADPGSWAQLEHPDALAKKARAGVVLEMDEEESDDSDDDLSWTEEEEEEEAMGE  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	38.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_036410</a>
<b>Locus ID:</b>	26548
<b>UniProt ID:</b>	<a href="#">Q9UKP3</a>
<b>RefSeq Size:</b>	1235
<b>Cytogenetics:</b>	Xq13.1
<b>RefSeq ORF:</b>	1041
<b>Synonyms:</b>	CHORDC3; ITGB1BP; MELUSIN; MSTP015
<b>Summary:</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]

## Product images:



Coomassie blue staining of purified ITGB1BP2 protein (Cat# [TP315481]). The protein was produced from HEK293T cells transfected with ITGB1BP2 cDNA clone (Cat# [RC215481]) using MegaTran 2.0 (Cat# [TT210002]).