Recombinant Human ITGB1BP2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ITGB1BP2-2946H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ITGB1BP2 MS Standard C13 and N15-labeled recombinant protein (NP_036410) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	38.2 kDa
AA Sequence	MSLLCRNKGCGQHFDPNTNLPDSCCHHPGVPIFHDALKGWSCCRKRTVDFSEFLNI KGCTMGPHCAEKLPEAPQPEGPATSSSLQEQKPLNVIPKSAETLRRERPKSELPLKL LPLNISQALEMALEQKELDQEPGAGLDSLIRTGSSCQNPGCDAVYQGPESDATPCT YHPGAPRFHEGMKSWSCCGIQTLDFGAFLAQPGCRVGRHDWGKQLPASCRHDW

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	HQTDSLVVVTVYGQIPLPAFNWVKASQTELHVHIVFDGNRVFQAQMKLWGVINVEQ SSVFLMPSRVEISLVKADPGSWAQLEHPDALAKKARAGVVLEMDEEESDDSDDDLS WTEEEEEEEAMGETRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ITGB1BP2 integrin subunit beta 1 binding protein 2 [Homo sapiens (human)]
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
MIM	300332

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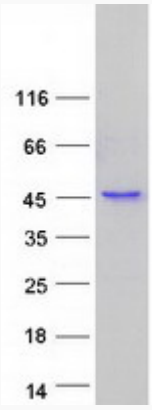
UniProt ID	Q9UKP3
SDS-PAGE	

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