

Active Recombinant Full Length Human ITGB2 Protein, C-Flag-tagged

Cat. No. ITGB2-248HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ITGB2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes an integrin beta chain, which combines with multiple different alpha chains to form different integrin heterodimers. Integrins are integral cell-surface proteins that participate in cell adhesion as well as cell-surface mediated signalling. The encoded protein plays an important role in immune response and defects in this gene cause leukocyte adhesion deficiency. Alternative splicing results in multiple transcript variants.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Far-Western blot ELISA binding assay
Molecular Mass	82.5 kDa
AA Sequence	MLGLRPPLLALVGLLSLGCVLSQECTKFKVSSCRECIESGPGCTWCQKLNFTGPGD PDSIRCDTRPQLLM RGCAADDIMDPTSLAETQEDHNGGQKQLSPQKVTLYL RPGQ AAAFNVTFRRAKGYPIDLYYLMDSL SYSML DDLRNVKKLGGDLLRALNEITESGRIGF

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GSFVDKTVLPFVNTHPKLRNPCPNKEKECQPPFAFRHVLKL TNNSNQFQTEVGK
 QLISGNLDAPEGGLDAMMQVAACPTEEIGWRNVTRLLVFATDDGFHFAGDGKLGAIL
 T PNDGRCHLEDONLYKRSNEFDYPSVGQLAHKLAENNIQPIFAVTSRMVKTYEKLTEII
 PKSAVGELSESS NVVQLIKNAYNKLSSRVFLDHNALPDTLKVTYDSFCSNGVTHR
 NQPRGDCDGVQINVPITFQVKVTATEC IQEQSFVIRALGFTDIVTVQVLPQCECRCR
 DQSRDRSLCHGKGFLECGICRCDTGYIGKNCECQTQGRSS QELEGSCRKDNNNSIIC
 SGLGDCVCGQCLCHTSDVPGKLIYGQYCECDTINCERYNGQVCGGPGRGLCFCG
 KCRCHPGFEFSACQCERTTEGCLNPRRVECSGRGRRCRCNVCECHSGYQLPLCQE
 CPGCPSPCGKYISCAE CLKFEKGPF GKNC SAACPGLQLSNNPVKGRTCKERDSEG
 CWVAYTLEQQDGM DRYLIYVDESRECVAGPN IAAIVGGTVAGIVLIGILLVWKALIH
 LSDLREYRRFEKEKLKSQWNNDNPLFKSATTVMNPKFAESTRTRPLEQKLISEEDL
 AANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	Cell adhesion molecules (CAMs), Leukocyte transendothelial migration, Natural killer cell mediated cytotoxicity, Regulation of actin cytoskeleton, Viral myocarditis

Full Length Full L.

GENE INFORMATION

Gene Name ITGB2 integrin subunit beta 2 [Homo sapiens (human)]

Official Symbol ITGB2

Synonyms LAD; CD18; MF17; MFI7; LCAMB; LFA-1; MAC-1

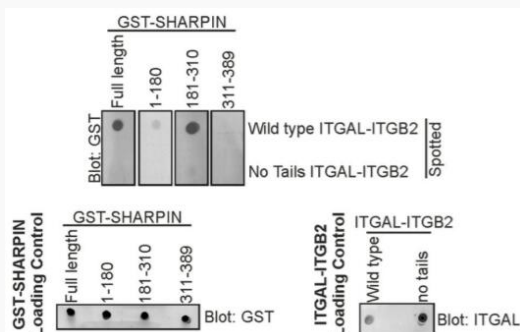
Gene ID 3689

mRNA Refseq NM_001127491.3

Protein Refseq NP_001120963.2

MIM 600065

UniProt ID P05107



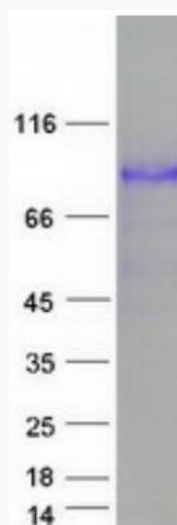
The UBL domain (181-310) of SHARPIN mediates binding to cytoplasmic tails of integrin, as analyzed by Far-Western of GST-SHARPIN (fulllength or fragments)

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binding to full-length ITGALITGB2 or ITGAL-ITGB2 lacking both cytoplasmic tails.
Loading controls for GST-SHARPIN (full-length or fragments) and both ITGAL-ITGB2s are shown.



Coomassie blue staining of purified ITGB2 protein.