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 RGCAADDIMDPTSLAETQEDHNGGQKQLSPQKVTLYLRPGQ AAAFNVTFRRAKGYPIDLYYLMDLSYSML DDLRNVKKLGGDLLRALNEITESGRIGF

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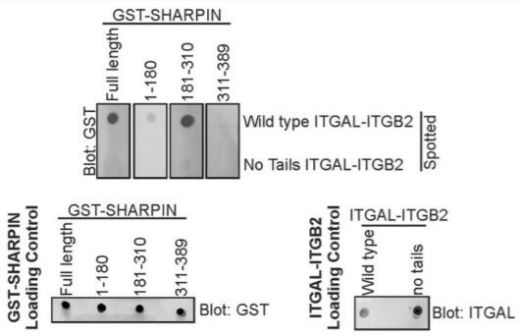
	GSFVDKTVLPFVNTHPDKLRNPCPNKEKECQPPFAFRHVLKL TNNSNQFQTEVGK QLISGNLDAPEGGLDAMMQVAACPEEIGWRNVTRLLVFATDDGFHFAGDGKLGAIL T PNDGRCHLEDNLYKRSNEFDYPSVGQLAHKLAENNIQPIFAVTSRMVKTYEKLTEII PKSAVGELSEDSS NVVQLIKNAYNKLSSRVFLDHNALPDTLKVTYDSFCSNGVTHR NQPRGDCDGVQINVPITFQVKVTATEC IQEQSFVIRALGFTDIVTVQVLPQCECRCR DQSRDRSLCHGKGFLECGICRCDTGYIGKNCECQTQGRSS QELEGSCRKDNNSIIC SGLGDCVCGQCLCHTSDVPGKLIYGQYCECDTINCERYNGQVCGGPGRGLCFCG KCRCHPGFEGSACQCERTTEGCLNPRRVECSGRGRCRCNVCECHSGYQLPLCQE CPGCPSPCGKYISCAE CLKFEKGPFGKNCSAACPGLQLSNNPVKGRTCKERDSEG CWVAYTLEQQDGMDRYLIYVDESRECVAGPN IAAIVGGTVAGIVLIGILLLVIWKALIH LSDLREYRRFEKEKLKSQWNNDNPLFKSATTTVMNPKFAESTRTRPLEQKLISEEDL 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

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Full Length	Full L.

GENE INFORMATION

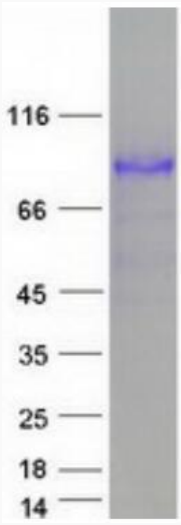
Gene Name	ITGB2 integrin subunit beta 2 [Homo sapiens (human)]
Official Symbol	ITGB2
Synonyms	LAD; CD18; MF17; MFI7; LCAMB; LFA-1; MAC-1
Gene ID	3689
mRNA Refseq	NM_001127491.3
Protein Refseq	NP_001120963.2
MIM	600065
UniProt ID	P05107



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.

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