

Recombinant Full Length Human ITGB1 Protein

Cat. No. ITGB1-6963HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human full-length ITGB1 was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	798 amino acids
Description	Integrins are heterodimeric proteins made up of alpha and beta subunits. At least 18 alpha and 8 beta subunits have been described in mammals. Integrin family members are membrane receptors involved in cell adhesion and recognition in a variety of processes including embryogenesis, hemostasis, tissue repair, immune response and metastatic diffusion of tumor cells. This gene encodes a beta subunit. Multiple alternatively spliced transcript variants which encode different protein isoforms have been found for this gene.
Form	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Molecular Mass	88.4 kDa
AA Sequence	MNLQPIFWIGLISSVCCVFAQTDENRCLKANAKSCGECIQAGPNCGWCTNSTFLQE GMPTSARCDDLEALKKKGC PPDDIENPRGSKDIKKNKNVTNRSGTAEKLPEDIT QIQPQQLVLRRLRSGEPQTFTLKFKRAEDYPIDLYLMD LSYSMKDDLENVKSLGTDL MNEMRRITSDFRIGFGSFVEKTVMPYISTTPAKLRNPCTSEQNCTSPFSYKNVLSL T NKGEVFNELVGKQRISGNLDSPEGGFDAIMQVAVCGSLIGWRNVTRLLVFSTDAGF

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HFAGDGKLGIVLPNDGQ CHLENNMYTMSHYYDYPSTIAHLVQKLENNIQTIFAVTE
 EFQPVYKELKNLIPKSAVGTLSANSSNVIQLIIDAY NSLSSEVILENGKLESEGTISYKS
 YCKNGVNGTGENGGRKCSNISIGDEVQFEISITSNKCCKDSDFSFKIRPLGF TEEVEVI
 LQYICECECQSEGIPEPKCHEGNGTFECGACRCNEGRVGRHCECSTDEVNSEDMD
 DAYCRKENSSEIC SNNGECVCGQCVCRKRDNTNEIYSGKFCECDNFNCNDRSNGLI
 CGGNGVCKCRVCECNPNYTGSAACDCSLDTSTCE ASNGQICNGRGICECGVCKCT
 DPKFQGQTCEMCQTCLGVCAEHKECVQCRAFNKGKKDTCTQECSYFNITKVES R
 DKLPQPVPQDPVSHCKEKDVDDCWFFYFTYSVNGNNEVMVHVVENPECPTGPDIIPI
 VAGVVAGIVLIGLALLLI WKLLMIIHDRREFAKFEKEKMNAKWDGTGENPIYKSAVTTVV
 NPKYEGK

Applications

Antibody Production; Functional Study: Recommended usage only, not validated yet;
 Compound Screening: Recommended usage only, not validated yet.

Notes

Heating may cause protein aggregation. Please do not heat this product before
 electrophoresis. Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

ITGB1 integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes
 MDF2, MSK12) [Homo sapiens]

Official Symbol

ITGB1

Synonyms

ITGB1; integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes
 MDF2, MSK12); FNRB, MDF2, MSK12; integrin beta-1; CD29; GPIIA; integrin VLA-4
 beta subunit; very late activation protein, beta polypeptide; FNRB; MDF2; VLAB;
 MSK12; VLA-BETA;

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Gene ID	3688
mRNA Refseq	NM_002211
Protein Refseq	NP_002202
MIM	135630
UniProt ID	P05556

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