

Recombinant Human ITGB1 Protein, GST-tagged

Cat. No. ITGB1-4986H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ITGB1 full-length ORF (AAH20057.1, 1 a.a. - 798 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq]
Molecular Mass	114.8 kDa
AA Sequence	MNLQPIFWIGLISSVCCVFAQTDENRCLKANAKSCGECIQAGPNCGWCTNSTFLQE GMPTSARCDLEALKKKKGCPDDIENPRGSKDIKKNKNVTNRSGTAEKLPEDITQ IQPQQLVLRRLRSGEPQTFTLKFKRAEDYPIDLYYLMDSL SYSMKDDL ENVKSLGTDLM NEMRRITSDFRIGFGSFVEKTVMPYISTTPAKLRNPCTSEQNCTSPFSYKNVLSLTNK GEVFNELVGKQRISGNLDSPEGGFDAIMQVAVCGSLIGWRNVTRLLVFSTDAGFHF AGDGKLG GIVLPNDGQCHLENNMYTMSHYDYPSIAHLVQKLSENNIQTIFAVTEEF QPVYKELKNLIPKSAVGTL SANSSNVIQLI DAYNSLSSEVILENGKLSEGV TISYKSYC

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KNGVNGTGENGGRKCSNISIGDEVQFEISITSNKCPKKDSFSKIRPLGFTEEEVILQY
ICECECQSEGIPESPKCHEGNGTFECGACRCNEGRVGRHCECSTDEVNSEDMDAY
CRKENSSEICSNNGECVCGQCVCRKRDNTNEIYSGKFCECDNFNCDRSNGLICGG
NGVCKCRVCECNPNTGSAACDCSLDTSTCEASNGQICNNGRGICECGVCKCTDPKF
QGQTCEMCQTCLGVCAEHKECVQCRAFNKGKKDTCTQECSYFNITKVESRDKLP
QPVQPDPVSHCKEKDVEDDCWFYFTYSVNGNNEVMHVVENPECPTGPDIIPIVAGV
VAGIVLIGLALLLIWKLLMIHDDRREFAKFEKEKMNAKWDTGENPIYKSAVTTTVNPKY
EGK

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

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.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

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

Official Symbol

ITGB1

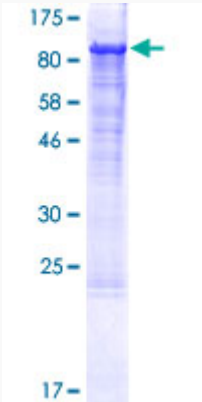
Synonyms

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
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue