

Recombinant Full Length Human ITGB1 Protein, GST-tagged

Cat. No. ITGB1-5754HF 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	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. [provided by RefSeq]
Molecular Mass	114.8 kDa
AA Sequence	MNLQPIFWIGLISSVCCVFAQTDENRCLKANAKSCGECIQAGPNCGWCTNSTFLQE GMPTSARCDLLEALKKKKGCPPDDIENPRGSKDIKKNKNVTNRSKGTAEKLPEDITQ IQPQQLVLRRLRSGEPQTFTLKFKAEDYPIDLYYLMDSLYSMKDDLENVKSLGTDLM NEMRRITSDFRIGFGSFVEKTVMPYISTTPAKLRNPCTSEQNCTSPFSYKNVLSLTNK GEVFNELVGKQRISGNLDSPEGGFDAIMQVAVCGSLIGWRNVTRLLVFSTDAGFHF AGDGKLGIVLPNDGQCHLENNMYTMSHYDYPSIAHLVQKLSENNIQTIFAVTEEF

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QPVYKELKNLIPKSAVGTLSANSSNVIQLIIDAYNSLSSEVILENGKLSEGVTISYKSYC
 KNGVNGTGENGRCNSNISIGDEVQFEISITSNKCPKKDSDFSFKIRPLGFTEEVEVILQY
 ICECECQSEGIPEPKCHEGNGTFECGACRCNEGRVGRHCECSTDEVNSEMDAY
 CRKENSSEICSNNGECVCGQCVCRCRKRDNNTNEIYSGKFCECDNFNCDRSNGLICGG
 NGVCKCRVCECNPNYTGSACDCSLDTSTCEASNGQICNNGRGICECGVCKCTDPKF
 QGQTCEMCQTCLGVCAEHKECVQCRAFNGEKKDTCTQECSYFNITKVESRDKLP
 QPVQPDPVSHCKEKDVDDCWFYFTYSVNGNNEVMVHVVENPECPTGPDIIPIVAGV
 VAGIVLIGLALLLIWKLLMIHDRREFAKFEKEKMNAKWDTGENPIYKSAVTTVVNPKY
 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;

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MSK12; VLA-BETA;

Gene ID

3688

mRNA Refseq

NM_002211

Protein Refseq


NP_002202

MIM

135630

UniProt ID

P05556

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