

Recombinant Full Length Human ITGB1 Protein

Cat. No. ITGB1-266HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGB1 was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
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	MNLQPIFWIG LISSVCCVFA QTDENRCLKA NAKSCGECIQ AGPNCGWCTN STFLQEGMPT SARCDDEAL KKKGCPPDDI ENPRGSKDIK KNKNVTNRSK GTAEKLPED ITQIQPQQLV LRLRSGEPQT FTLKFKRAED YPIDLYYLM LSYSMKDDLE NVKSLGTDLM NEMRRITSDF RIGFGSFVEK TVMPYISTTP AKLRNPCTSE QNCTSPFSYK NVLSLTNKGE VFNELVGKQR ISGNLDSPEG GFDAIMQVAV CGSLIGWRNV TRLLVFSTDA GFHFAGDGKL GGIVLPNDGQ CHLENNMYTM SHYYDYPSIA HLVQKLENN IQTIFAVTEE FQPVYKELKN

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LIPKSAVGTL SANSSNVIQL IIDAYNSLSS EVILENGKLS EGVTISYKSY
 CKNGVNGTGE NGRKCSNISI GDEVQFEISI TSNKCPKKDS DSFKIRPLGF
 TEEVEVILQY ICECECQSEG IPESPKCHEG NGTFECGACR CNEGRVGRHC
 ECSTDEVNSE DMDAYCRKEN SSEICSNNGE CVCGQCVCRC RDNTNEIYSG
 KFCECDNFNC DRSNGLICGG NGVCKCRVCE CNPNYTGSA DCSLDTSTCE
 ASNGQICNGR GICECGVCKC TDPKFQGQTC EMCQTCLGVC AEHKECVQCR
 AFNKGEKKDT CTQECSYFNI TKVESRDKLP QPVQDPVSH CKEKDVDCCW
 FYFTYSVNGN NEVMVHVVEN PECPTGPDII PIVAGVVAGI VLIGLALLLI
 WKLLMIIHDR REFAKFEKEK MNAKWDGTGEN PIYKSAVTTV VNPKEYEGK

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

Gene ID

3688

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mRNA Refseq	NM_002211
Protein Refseq	NP_002202
MIM	135630
UniProt ID	P05556

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