

## Recombinant Human ITGB1 Protein, GST-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human ITGB1 full-length ORF ( AAH20057.1, 1 a.a. - 798 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | 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] |
| <b>Molecular Mass</b>   | 114.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MNLQPIFWIGLISSVCCVFAQTDENRCLKANAKSCGECIQAGPNCGWCTNSTFLQE<br>GMPTSARCDLEALKKKKGCPDDIENPRGSKDIKKNKNVTNRSGTAEKLPEDITQ<br>IQPQQLVLRRLRSGEPQTFTLKFKRAEDYPIDLYYLMDSL SYSMKDDL ENVKSLGTDLM<br>NEMRRITSDFRIGFGSFVEKTVMPYISTTPAKLRNPCTSEQNCTSPFSYKNVLSLTNK<br>GEVFNELVGKQRISGNLDSPEGGFDAIMQVAVCGSLIGWRNVTRLLVFSTDAGFHF<br>AGDGKLG GIVLPNDGQCHLENNMYTMSHYDYPSIAHLVQKLSENNIQTIFAVTEEF<br>QPVYKELKNLIPKSAVGTL SANSSNVIQLIIDAYNSLSSEVILENGKLSEGV TISYKSYC                                                                                                                    |

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KNGVNGTGENGGRKCSNISIGDEVQFEISITSNKCPKKDSFSKIRPLGFTEEVEVILQY  
ICECECQSEGIPESPKCHEGNGTFECGACRCNEGRVGRHCECSTDEVNSEDMDAY  
CRKENSSEICSNNGECVCGQCVCRKRDNTNEIYSGKFCECDNFNCDRSNGLICGG  
NGVCKCRVCECNPNTGSAACDCSLDTSTCEASNGQICNNGRGICECGVCKCTDPKF  
QGQTCEMCQTCLGVCAEHKECVQCRAFNKGKKDTCTQECSYFNITKVESRDKLP  
QPVPDPVSHCKEKDVDDCWFFYFTYSVNGNNEVMHVVENPECPTGPDIIPIVAGV  
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

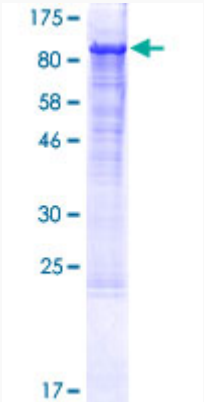
**Synonyms**

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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|                                |                                                                                                                                       |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                 | 3688                                                                                                                                  |
| <b>mRNA Refseq</b>             | NM_002211                                                                                                                             |
| <b>Protein Refseq</b>          | NP_002202                                                                                                                             |
| <b>MIM</b>                     | 135630                                                                                                                                |
| <b>UniProt ID</b>              | P05556                                                                                                                                |
| <b>Quality Control Testing</b> |  <p>12.5% SDS-PAGE Stained with Coomassie Blue</p> |