

Recombinant Full Length Rat Integrin Beta-1(Itgb1) Protein, His-Tagged

Cat. No. RFL3854RF **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Full Length Rat Integrin beta-1(Itgb1) Protein (P49134) (21-798aa), fused to N-terminal His tag, was expressed in E. coli.

Species

Rat

Source

E.coli

ProteinLength

Full Length (21-798)

Form

Lyophilized powder

AA Sequence

QTDKNRCLKANAKSCGECIQAGPNCGWCTNTTFLQEGMPTSARCDDLEALKKKGC
 HPSDIENPRGSQTIKKNKNVTNRSKGM AEKLRPEDITQIQPQQLLLKLRSGEPQKFTL
 KFKRAEDYPIDLYYLMDLSYSMKDDLENVKSLGTDLMNEMRRITSDFRIGFGSFVEK
 TVMPYISTTPAKLRNPCTSEQNCTSPFSYKNVLSLTDRGEFFNELVGQQRISGNLDS
 PEGGFDAIMQVAVCGSLIGWRNVTRLLVFSTDAGFH FAGDGKLG GIVLPNDGQCHL
 ENNVYTMSHYDYPSIAHLVQKLENNIQTIFAVTEEFQPVYKELKNLIPKSAVGTLS
 GNSSNVIQLIIDAYNSLSSEVILENSKLPDGV TINYKSYCKNGVNGTGENGRKCSNISI
 GDEVQFEISITANKCPNKESENQLKLNPLGFTEEEVVLQFICKCNCQSHGIPASPKC
 HEGNGTFECGACRCNEGRVGRHCECSTDEVNSEDMDAYCRKENSSEICSNNGEC
 VCGQCVCRKRENTNEIYSGKFCECDNFNCDRSNGLICGGNGVCR CRVCECYPNYT
 GSACDCSLDTPCVATNGQICN GRGICECGACKCTDPKFGQPTCETCQTCLGVCA
 EHKECVQCRAF NKGEKKDTCAQECSHFNLTKVESREKLPQP VQVDPVTHCKEKDID

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DCWFYFTYSVNSKGEAHVHVETPDCPTGPDIIPIVAGVVAGIVLIGLALLLIWKLLMII
HDRREFAKFEKEKMNAKWDTGENPIYKSAVTTVVNPKYEGK

Purity Greater than 90% as determined by SDS-PAGE.

Applications SDS-PAGE

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.

Storage Buffer Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name Itgb1

Synonyms Itgb1; Integrin beta-1; Beta oligodendroglia; Beta OL; Fibronectin receptor subunit beta; VLA-4 subunit beta; CD antigen CD29

UniProt ID [P49134](https://www.uniprot.org/entry/P49134)

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