

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

**Cat. No.** RFL21541FF    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

Recombinant Full Length Cat Integrin beta-1(ITGB1) Protein (P53713) (21-798aa), fused to N-terminal His tag, was expressed in E. coli.

### Species

Felis catus

### Source

E.coli

### ProteinLength

Full Length (21-798)

### Form

Lyophilized powder

### AA Sequence

QADENRCLKANAKSCGECIQAGPNCGWCVNSTFLQEGMPTSARCDDLEALKKKGC  
 HPDDIENPRGSKDVKKKNVNTNRSKGTAEKLPEDITQIQPQQLVLQLRSGEPQTFT  
 LKFKRAEDYPIDLYYLMDLSYSMKDLENVKS LGTDLLNEMRRITSDFRIGFGSFVEK  
 TVMPYISTTPAKLRNPCTSEQNCTSPFSYKNVLSLTDKGEVFNELVGKQRISGNLDS  
 PEGGFDAIMQVAVCGSLIGWRNVTRLLVFSTDAGFH FAGDGKLG GIVLPNDGQCHL  
 ENDVYTM SHYYDYP SIAHLVQKLS ENNIQTIFAVTEEFQPVYKELKNLIPKSAVGTLSA  
 NSSNVIQLIIDAYNSLSSEVILENSKLPEGVTISYKSYCKNGVNGTG ENGRKCSNISIG  
 DEVQFEISITANKCPNKNSEI IKIKPLGFTEEVEIILQFICECECQNEGIPSSPKCHEGN  
 GSFECGACRCNEGRVGRHCECSTDEVNSEDMDAYCRKENSSEICSNNGECVCGQ  
 CVC RKRDNTNEIYSGKFCECDNFNCDRS NGLICGGNGVCKCRVCECNPNYTG SAC  
 DC SLDTTSCMATNGQICN GRGICEGACKCTDPKFQGP TCEMCQTCLGVCAEHKE  
 CVQCRAF NKGEKKD TCAQECSHF NITKVENRDKLPQPGQVDPLSHCKE KDVDDCW

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FYFTYSVNGNNEAIVHVVETPECPTGPDIIPIVAGVVAGIVLIGLALLLIWKLLMIIHDTR  
EFAKFEKEKMNAKWDTGENPIYKSAVTTVVNPKYEGK

**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; Fibronectin receptor subunit beta; VLA-4 subunit beta; CD antigen CD29

**UniProt ID** [P53713](https://www.uniprot.org/entry/P53713)

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