



Recombinant Mouse ITGB1 Protein Product Manual

1. Product Basic Information

Product No.: REP07258

Protein Name: Integrin Beta Integrin Beta-Glycoprotein Iia (ITGB1)

Aliases: CD29; FNRI; MDF2; VLAB; GPIIA; MSK12; VLA-BETA; integrin beta integrin beta-glycoprotein Iia; integrin subunit beta integrin VLA-4 beta subunit; very late activation protein, beta polypeptide

UniProt ID: P05556

UniProt Link: <https://www.uniprot.org/uniprotkb/P05556/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Extracellular Domain (21-728aa)

Molecular Weight: 82.2kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (21-728aa)

QTDKNRCLKANAKSCGECIQAGPNCGWCTNTTFLQEGMPTSARCDDLEALKKKGC
QPSDIENPRGSQTIKKNKNTNRSGMAEKLRPEDITQIQPQQQLLLKLRSGEPQKFT
LKFKRAEDYPIDLYLMDLSYSMKDDLENVKSLGTDLMNEMRRITSDFRIGFGSFVE
KTVMPYISTTPAKLRNPCTSEQNCTSPFSYKNVLSLTDRGEFFNELVGQQRISGNLD
SPEGGFDAIMQVAVCGSLIGWRNVTRLLVFSTDAGFHFAGDGKLGIVLPNDGQCH
LENNVYTMSHYDYPSIAHLVQKLSENNIQTIFAVTEEFQPVYKELKNLIPKSAVGT
SGNSSNVIQLIIDAYNSLSSEVILENSKLPDGVNTINYKSYCKNGVNGTGENGRKCSNI
SIGDEVQFEISITANKCPNKESETIKIKPLGFTEEEVVLQFICKCNCQSHGIPASPKC
HEGNGTFECGACRCNEGRVGRHCECSTDEVNSEDMDAYCRKENSSEICSNNGEC
VCGQCVCRRKRDNTNEIYSGKFCECDNFNCDSNGLICGGNGVCRRCRVCECYPNY
TGSACDCSLDTGPCLASNGQICNGRGICECGACKCTDPKFQGPCTCETCQTCLGVC
AEHKECVQCRAFNKGEKKDTCAQECSHFNLTKVESREKLPQPVQVDPVTHCKEKD
IDDCWFYFTYSVNGNNEAIVHVETPDCPTGPD

3. Storage Buffer



Enlibio Wuhan Enlibio Biotech Co.,Ltd Manuals version5.9

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Mouse ITGB1 extracellular domain protein (21-728aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. ITGB1, also known as CD29 or FNRB or MDF2, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.