



Recombinant Human ITGB7 Protein Product Manual

1. Product Basic Information

Product No.: REP07261

Protein Name: Integrin Beta-Integrin Beta 7 Subunit (ITGB7)

Aliases: integrin beta-integrin beta 7 subunit

UniProt ID: P26010

UniProt Link: <https://www.uniprot.org/uniprotkb/P26010/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (20-723aa)

Molecular Weight: 82.5 kDa

Protein Tag: N-terminal 10xHis-tagged

2. Amino Acid Sequence (20-723aa)

ELDAKIPSTGDATEWRNPHLSMLGSCQPAPSCQKCILSHPSCAWCKQLNFTASGE
AEARRCARREELLARGCPLEEELEPRGQQEVLQDQPLSQGARGEGATQLAPQRV
RVTLRPGEPQQLQVRFLRAEGYPVDLYYLMDSL SYSMKDDL ERVRQLGHALLVRLQ
EVTHSVRIGFGSFVDKTVLPFVSTVPSKLRHPCPTRLERCQSPFSFHHVLSLTGDAQ
AFEREVGRQSVSGNLDSPEGGFDAILQAALCQEQIGWRNVSRLLVFTSDDTFHTAG
DGKLG G IFMPSDGHCHLDSNGLYSRSTEFDYPSVGQVAQALSAANIQPIFAV TSAAL
PVYQELSKLIPKSAVGELSEDSSNVVQLIMDAYNSLSSTVTLEHSSLPPGVHISYESQ
CEGPEKREGKAEDRGQCNHVRINQTVTFWVSLQATHCLPEPHLLRLRALGFSEELI
VELHTLCDCNCSDTQPQAPHCS DGQGH LQCGVCSCAPGRLGRLCECSVAELSSP
DLESGCRAPNGTGPLCSGKGHCQCGRCS CSGQSSGHLCECDDASCERHEGILCG
GFGRCQCGVCHCHANRTGRACECSGDMDS CISPEGGLCSGHGRCKCNRCQCLD
GYYGALCDQCPGCKTPCERHRDCAECGAFRTGPLATNCSTACAHTNVT LALAPILD
DGWCKERTLDNQLFFFLVEDDARGTVVLRVRPQEKGADH

3. Storage Buffer

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

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 Human ITGB7 partial protein (20-723aa) expressed in E.coli. The protein is with 10xHis tag at the N-terminus, which facilitates protein purification, detection and identification. ITGB7, also known as integrin beta-integrin beta 7 subunit, 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.