



Recombinant Human CDH5 Protein Product Manual

1. Product Basic Information

Product No.: REP06412

Protein Name: Cadherin Cadherin-7B4 Antigen (CDH5)

Aliases: 7B4; CD144; cadherin cadherin-7B4 antigen; VE-cadherin; cd144 antigen; endothelial-specific cadherin; vascular endothelial cadherin; cadherin 5, type 2 (vascular endothelium

UniProt ID: P33151

UniProt Link: <https://www.uniprot.org/uniprotkb/P33151/entry>

Species Source: Homo sapiens (Human)

Expression System: Mammalian cell

Protein Length: Partial (48-599aa)

Molecular Weight: 66.1kDa

Protein Tag: C-terminal 10xHis-tagged

2. Amino Acid Sequence (48-599aa)

DWIWNQMHHIDEKNTSLPHHVGGIKSSVSRKNAKYLLKGEYVGKVFRVDAETGDVF
AIERLDRENISEYHLTAVIVDKDTGENLETSSFTIKVHDVNDNWPVFTHRLFNASVP
ESSAVGTSVISVTAVDADDPTVGDHASVMYQILKGKEYFAIDNSGRIITITKSLDREK
QARYEIVVEARDAQGLRGDSGTATVLVTLQDINDNFPFFTQTKYTFVVPEDTRVGTS
VGSLFVEDPDEPQNRMTKYSILRGDYQDAFTIETNPAHNEGIIKPMKPLDYEYIQQY
SFIVEATDPTIDRLRYMSPPAGNRAQVIINITDVDEPPIFQQPFYHFQLKENQKKPLIGT
VLAMDPDAARHSIGYSIRRTSDKGQFFRVTKKGDIYNEKELDREVYPWYNLTVEAK
ELDSTGTPTGKESIVQVHIEVLDENDNAPEFAKPYQPKVCENAVHGLVLQISAIK
DITPRNVKFKFILNTENNFTLTDNHDNTANITVKYGGQFDREHTKVHFLPVVISDNGMP
SRTGTSTLTVAVCKCNEQGEFTFCEDMAAQVGVSIQ

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 when placing orders).



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Lyophilized Powder Delivery Form: Pre-lyophilization: Lyophilized from a 0.2 μm
filtered PBS, 6% Trehalose, pH 7.4

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 CDH5 partial protein (48-599aa) expressed in Mammalian cell. The protein is with 10xHis tag at the C-terminus, which facilitates protein purification, detection and identification. CDH5, also known as 7B4 or CD144 or cadherin cadherin-7B4 antigen, 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.