

Recombinant Human CDH12 Protein (56-605 aa), His-tagged

Cat. No. CDH12-1256H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human CDH12 Protein (56-605 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cell Adhesion. Protein Description: Partial.

Species Human

Source E.coli

ProteinLength 56-605 aa

Description Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types.

Form Tris-based buffer, 50% glycerol

Molecular Mass 64.8 kDa

AA Sequence

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WVWNQFFVLEEYVGSEPPQYVGLHSDLDKGEQTVKYTLSGDGAGTVFTIDETTGDI
HAIRSLDREEKPFYTLRAQAVDIETRKPLEPESEFIIKVQDINDNEPKFLDGPYVATVP
EMSPVGAYVLQVKATDADDPTYGNSARVVYSILQGGQPYFSIDPKTGVIRTUALPNMDR
EVKEQYQVLIQAKDMGGQLGGLAGTTIVNITLTDVNDNPPRFPKSFHLLKVPESPIG
SAIGRIRAVDPDFGQNAEIEYNIVPGDGGNLFDIVTDEDTQEGVIKLLKPLDFETKKAY
TFKVEASNLHLDHRFHSAGPFKDTATVKISVLVDVDEPPVFSKPLYTMEVYEDTPVGTI
IGAVTAQDLVDVGSSAVRYFIDWKS DGDSYFTIDGNEG TIATNELL DRESTAQYNFSIIA
    
```

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SKVSNPLLTSKVNILINVLVDVNEFPPEISVPYETAVCENAKPGQIIQIVSAADRDLSPAG
 QQFSFRLSPEAAIKPNFTVRDFRNNTAGIETRRNGYSRRQQELYFLPVVIEDSSYPV
 QSSTNTMTIRVCRCDSDGTILSCNVEA

Purity > 90% as determined by SDS-PAGE.

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

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name [CDH12 cadherin 12, type 2 \(N-cadherin 2\) \[Homo sapiens \]](#)

Official Symbol [CDH12](#)

Synonyms CDH12; cadherin-12; Br cadherin; CDHB; Br-cadherin; N-cadherin 2; FLJ34857;

Gene ID [1010](#)

mRNA Refseq [NM_004061](#)

Protein Refseq [NP_004052](#)

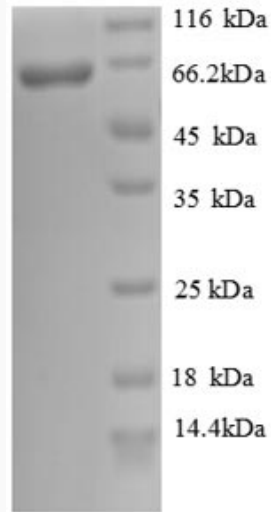
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MIM 600562

UniProt ID P55289



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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