

Recombinant Human CDH12 protein, His-tagged

Cat. No. CDH12-6744H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDH12 protein(387-576 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	387-576 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	PLYTMEVYEDTPVGTIIGAVTAQDLVDGSSAVRYFIDWKSDGDSYFTIDGNEGTIATN ELLDRESTAQYNFSIIASKVSNPLLTskvNILINVLDVNEFPPEISVPYETAVCENAKPG QIIQIVSAADRDLSPAGQQFSFRLSPEAAIKPNFTVRDFRNNTAGIETRRNGYSRRQQ ELYFLPVVIEDSSY
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

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

Official Symbol [CDH12](#)

Synonyms CDH12; cadherin 12, type 2 (N-cadherin 2); cadherin-12; Br cadherin; CDHB; Br-cadherin; N-cadherin 2; brain cadherin; brain-cadherin; neuronal cadherin 2; neural type cadherin 2; cadherin, neural type, 2; FLJ34857;

Gene ID [1010](#)

mRNA Refseq [NM_004061](#)

Protein Refseq [NP_004052](#)

MIM [600562](#)

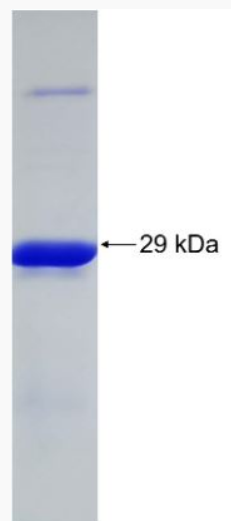
UniProt ID [P55289](#)

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SDS-PAGE

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