

Recombinant Human CDH3 protein, His-tagged

Cat. No. CDH3-5724H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDH3 aa. (Gly371~Leu660 (Accession # P22223)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gly371~Leu660
Description	This gene encodes a classical cadherin of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature glycoprotein. This calcium-dependent cell-cell adhesion protein is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. This gene is located in a gene cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. In addition, aberrant expression of this protein is observed in cervical adenocarcinomas. Mutations in this gene are associated with hypotrichosis with juvenile macular dystrophy and ectodermal dysplasia, ectrodactyly, and macular dystrophy syndrome (EEMS).
Form	Freeze-dried powder
Molecular Mass	42kDa as determined by SDS-PAGE reducing conditions.

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Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 4.8.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	CDH3 cadherin 3 [Homo sapiens (human)]
Official Symbol	CDH3
Synonyms	CDH3; cadherin 3; CDHP; HJMD; PCAD; cadherin-3; cadherin 3, type 1, P-cadherin (placental); calcium-dependent adhesion protein, placental
Gene ID	1001

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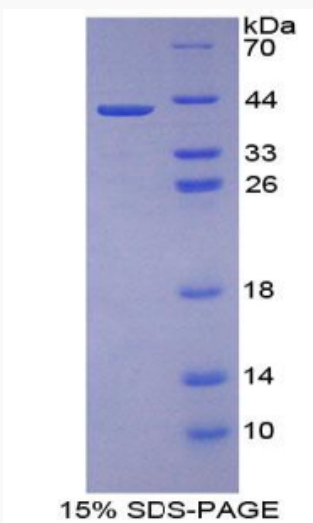
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mRNA Refseq NM_001317195.1

Protein Refseq NP_001304124.1

UniProt ID P22223

SDS-PAGE



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