

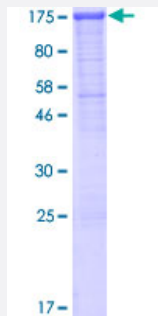
Full-Length

CDH3 (Human) Recombinant Protein (P01)

Catalog # H00001001-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CDH3 full-length ORF (AAH41846.1, 1 a.a. - 829 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGLPRGPLASLLLLQVCWLQCAASEPCRAVFREA EVTLEAGGAEQEPGQALGKVFMGCPGQE
PALFSTDNDFFTNRGETVQERRSLKERNPLKIFPSKRILRRHKRDWVAPISVPENGKGPFQQR
LNQLKSNKDRDTKIFY SITGPGADSPPEGVF AVEKETGWLLL NKPLDREEIAKYELFGHAVSENGA
SVEDPMNISIVTDQNDHKPKFTQD TFRGSVLEGLVPGTSVMQMTATDEDDAITYNGVVAYSISQ
EPKDPHDLMTIHRSTGTSIVISSGLDREKVPEYTLTIQATDMDGDGSTTTAVAVVEILDANDNAPM
FDPQKYEAHVPENAVGHEVQRLTVTDLDAPNSPAWRATYIMGGDDGDHFTITTHPE SNQGILTTR
KGLDFEAKNQHTLYEVTNEAPFVLKLPTSTATMVHVEDVNEAPVFVPPSKVVEVQEGIPTGEPV
CVYTAEDPDKENQKISYRLRDPAGWLAMDPSGQVTAVGTL DREDEQFVRNNIYVMVLAMDN
GSPPTTGTGTLTLLTIDVNDHGPVPEPRQITCNQSPVRQVLNITDKDLSPHTSPFQAQLTDDSDIY
WTAEVNEEGDTVVL SLKKFLKQDTYDVHLSLSDHGNKEQLTVIRATVCDCHGHVETCPGPWK
GFILPVLGAVLALLFLLLVLVLLLVRRKKRIKEPLLPEDDTRDNV FYYGEEGGGEEDQDYDITQLHR
GLEARPEVVL RNDVAPTIIPTMYRPRPANPDEIGNFIENLKAANTDPTAPPYDTLLVFDYEGSGSD
AASLSSLTSSASDQDQDYDYLNEWGSRFKKLADMYGGGEDD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

117.9

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CDH3

Entrez GeneID	1001
GeneBank Accession#	BC041846.1
Protein Accession#	AAH41846.1
Gene Name	CDH3
Gene Alias	CDHP, HJMD, PCAD
Gene Description	cadherin 3, type 1, P-cadherin (placental)
Omim ID	114021 601553
Gene Ontology	Hyperlink
Gene Summary	This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. This gene is located in a six-cadherin 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 have been associated with congenital hypotrichosis with juvenile macular dystrophy. [provided by RefSeq]
Other Designations	cadherin 3, type 1 calcium-dependent adhesion protein, placental

Publication Reference

- [MMP-12 polarizes the neutrophil signalome towards an apoptotic signature.](#)

Uppendra Chalise, Mediha Becirovic-Agic, Shelby R. Konfrst, Jocelyn R. Rodriguez-Paar, Leah M. Cook and Merry L. Lindsey.
Journal of Proteomics 2022 Jul; 264:104636.

Application: Substrate, Human, Recombinant protein

- [Identification of putative immunologic targets for colon cancer prevention based on conserved gene expression from pre-invasive to malignant lesions.](#)

Broussard EK, Kim R, Wiley JC, Marquez JP, Annis JE, Pritchard D, Disis ML.
Cancer Prevention Research (Philadelphia, Pa.) 2013 Jul; 6(7):666.

Application: WB, WB-Tr, Human, Serum, RKO, SW48, FET, SW480 cells

Pathway

- [Cell adhesion molecules \(CAMs\)](#)

Disease

- [Colitis](#)
- [Genetic Predisposition to Disease](#)