PCDH7 Recombinant Protein

PRODUCT OVERVIEW

Product Name	PCDH7, Recombinant Protein
Full Product Name	PCDH7 Protein, Human, Recombinant (His Tag)
Product Gene Name	PCDH7 recombinant protein
Product Synonym Names	Human PCDH7 Protein (His Tag); BHPCDH Protein, Human
Host	Baculovirus-Insect Cells
Form/Format	Lyophilized from sterile 20 mM PB, pH7.0, 500 mM NaCl, 10% glycerol, 5% trehalose, 5% mannitol and 0.01% Tween80
Purity/Purification	>90% as determined by SDS-PAGE
Preparation and Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles
Molecular Weight	Molecular Mass: The recombinant human PCDH7 consists of 866 amino acids and predicts a molecular mass of 94 kD
OMIM	602988
3D Structure	ModBase 3D Structure for O60245
Source	Human
Endotoxin	<1.0EU per ug protein as determined by the LAL method.
Predicted N Terminal	His
Tag	N-His
Protein Construction	A DNA sequence encoding the human PCDH7 (NP_002580.2)(Ala29-Ser879) was expressed with a polyhistidine tag at the N-terminus.
Recostitution	MBS recommends that sterile water (670ul) be added to the vial to prepare a stock solution of 0.15mg/mL. Concentration is measured by BCA.
Related Product Information for PCDH7 recombinant protein	Background: PCDH7, a member of protocadherins family, functions as tumor suppressor in several human cancers. The human PCDH7 gene is localized in chromosome 4p15, which is often inactivated in human cancers, including bladder cancer. The low PCDH7 expression is a potential prognostic biomarker for primary non-muscle invasive bladder cancer (NMIBC).
Other Notes	Small volumes of PCDH7 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PCDH7 purchase	MBS8122117 is a recombinant protein targeting PCDH7. Also known as PCDH7 Protein, Human, Recombinant (His Tag). Host: Baculovirus-Insect Cells.



SDS-Page of PCDH7 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PCDH7. It may not necessarily be applicable to this product.

NCBI GI #	14589931
NCBI GeneID	5099
NCBI Accession #	NP_002580.2
UniProt Primary Accession #	O60245
UniProt Secondary Accession #	O60246; O60247; Q4W5C4
UniProt Related Accession #	O60245
GenBank Nucleotide #	NM_002589.2
NCBI Official Full Name	protocadherin-7 isoform a
NCBI Official Synonym Full Names	protocadherin 7
NCBI Official Symbol	PCDH7
NCBI Official Synonym Symbols	BHPCDH; BH-Pcdh; PPP1R120
UniProt Protein Name	Protocadherin-7
UniProt Synonym Protein Names	Brain-heart protocadherin
Protein Family	Protocadherin
UniProt Gene Name	PCDH7
UniProt Synonym Gene Names	BHPCDH; BH-Pcdh
UniProt Entry Name	PCDH7_HUMAN
NCBI Protein Information	protocadherin-7; brain-heart protocadherin; BH-protocadherin (brain-heart); protein phosphatase 1, regulatory subunit 120
UniProt Comments for PCDH7	Subcellular location: Cell membrane; Single-pass type I membrane protein. Tissue specificity: Expressed predominantly in brain and heart and at lower levels in various other tissues. Sequence similarities: Contains 7 cadherin domains.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

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