

Product datasheet

Recombinant Human Protocadherin 21 protein ab164895

[1 Image](#)

Description

Product name	Recombinant Human Protocadherin 21 protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human

Sequence	MRRCRWAALALGLLRLCLAQANFAPHFFDNGVGSTNGN MALFSLPEDTPV GSHVYTLNGTDPEGDPISYHISFDPSTRSVFSVDPTFGNITL VEELDRER EDEIEAISISDGLNLVAEKVVILVTDANDEAPRFIQEPYVAL VPEDIPA GSIIFKVHAVDRDTGSGGSVTYFLQNLHSPFAVDRHSGVL RLQAGATLDY ERSRTHYITVVAKDGGGRLHGADVVSATTTVTNVEDVQ DMAPVFGTP YGYVYEDTLPGSEVLKVVAMDGDRGKPNRILYSLVNGND GAFEINETSG AISITQSPAQLQREYVELHVQVTEMSPAGSPAAQATVPVTI RVDLNNHP PTFYGESGPQNRFELSMNEHPPQGEILRGLKITVNDSDQG ANAKFNLQLV GPRGIFRVVPQTVLNEAQVTIIVENSAAIDFEKSKVLTFKLL AVEVNTPE KFSSTADVVIQLLDTNDNVPKFDSLYYVARIPENAPGGSS VVAVTAVDPD TGPWGEVKYSTYGTGADLFLIHPSTGLIYTPWASLDAEAT ARYNFYVKA EDMEGKYSVAEVFITLLDVNDHPPQFGKSVQKKTMLVLT PVKIEAIDEDA EENNLVDYSITHAEPANVFDINSHTGEMWLKNSIRSLDALH NITPGRDC LWSLEVQAKDRGSPSFSTTALLKIDITDAEVRRLRYMKNS
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NFPGTTKSVR
KPKFKPKKPHSSQGLFLHPHCEIALFNLSNVNLYSRVFQG
AAQAS

Amino acids 1 to 745
Tags GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab164895** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications ELISA
Western blot

Form Liquid

Additional notes

Preparation and Storage

Stability and Storage Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
pH: 8.00
Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

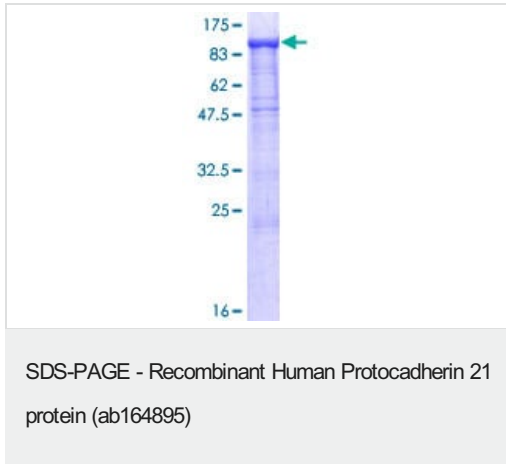
Function Potential calcium-dependent cell-adhesion protein. May be required for the structural integrity of the outer segment (OS) of photoreceptor cells.

Sequence similarities Contains 6 cadherin domains.

Post-translational modifications Undergoes proteolytic cleavage; produces a soluble 95 kDa N-terminal fragment and a 25 kDa cell-associated C-terminal fragment.

Cellular localization Cell membrane. Localized at the junction between the inner and outer segments of rod and cone photoreceptors cells. Confined to the base of the OS. Localized on the edges of nascent evaginating disks on the side of the OS opposite the connecting cilium. Expressed at postnatal day 2 at the apical tip of the rod photoreceptor cells, the site of the developing OS. Colocalized with rhodopsin between postnatal days 2 and 9 at the base of the growing OS region.

Images



ab164895 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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