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## Product Data Sheet

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Product Name: PCDHGC4 Human

Cat. No.: GP24132

Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Protocadherin Gamma Subfamily C 4; PCDH-GAMMA-C4.		
Amino Acid Sequence	<p>MGSSHHHHHH SGLVPRGSH MQIRYPVPEE SQEGTFVGNV AQDFLLDTDS          LSARRLQVAG EVNQRHFRVD LDSGALLIKN PIDREALCGL SASCIVPLEF          VTEGPLEMYR AEVEIVDVND HAPRFPRQQL DLEIGEAAPP GQRFPLEKAQ          DADVGSNSIS SYRLSSNEHF ALDVKKRSDG SLVPELLLEK PLDREKQSDY          RLVLTAVDGG NPPRSGTAEL RVSVLVDVNDN APAFQQSSYR ISVLESAPAG          MVLIQLNASD PDLGPSGNVT FYFSGHTPDR VRNLFSLHPT TGKLTLLGPL          DFESENYYEF DVRARDGGSP AMEQHC SLRV DLLDVNDNAP YITVTSELGT          LPESAEPGTV VALISVQDPD SGSNGDVSLR IPDHLPFALK SAFRNQFSLV          TAGPLDREAK SSYDIMVTAS DAGNPPLSTH RTIFLNISDV NDNPPSFFQR          SHEVFPENN RPGDLLCSLA ASDPDSGLNA LISYSLLEPR NRDVSASSFI          SLNPQTGAVH ATRSFDYEQT QTLQFEVQAR DRGNPPLSST VTVRLFVLDL          NDNAPAVLRP RARPGSLCPQ ALPPSVGAGH LITKVTAVDL DSGYNWVSY          QLLEAPDPSL FAVSRYAGEV RTAVPIPADL PPQKLIVIVK DSGSPPLSTS          VTLVLSLEED THPVVPLRE SSAPREGESR LTLY</p>		
Formulation	The PCDHGC4 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

**Introduction**

PCDHGL4 belongs to one of three related clusters tandemly linked on chromosome five - the protocadherin gamma gene cluster. These gene clusters have an immunoglobulin-like organization, which indicates that a novel mechanism takes part in their regulation and expression. These neural cadherin-like cell adhesion proteins have a vital role in the establishment and function of specific cell-cell connections in the brain.

**Stability**

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

PCDHGC4 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 684 amino acids (30-692) and having a molecular mass of 74.3 kDa. PCDHGC4 is fused to a 21 amino acid His-tag at N-terminus.

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