

Protocadherin gamma-B3 (PCDHGB3) Recombinant Protein | PCDHGB3 recombinant protein

Recombinant Human Protocadherin gamma-B3 (PCDHGB3), partial

CATALOG #
AAA117543

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

Protocadherin gamma-B3 (PCDHGB3); Recombinant Human Protocadherin gamma-B3 (PCDHGB3); partial; PCDHGB3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	31-444aa; Partial
Sequence	EPIRYAIP EE LDRGSLVG NL AKDLGFGVGD LPTRNLRVIA EKKFFTVSPE NGNLLVSDRI DREEICGKKS TCVLEFEMVA EKPLNFFHVT VLIQDINDNP PTFSQNITEL EISELALTGA TFALESAQDP DVGVNLSLQQY YLSPDPHFSL IQKENLDGSR YPELVLKAPL DREEQPHHHL VLTAVDGGEP SRSC TTQIRV IVADANDNPP VFTQDMYRVN VAENLPAGSS VLKVMIDMD EGINAEIYA FINIGKEVRQ LFKLDSKTGE LTTIGELDFE ERDSYTIGVE AKDGGHHTAY CKVQIDISDE NDNAPEITLA SESQHIQEDA ELGTAVALIK THDLDSGFNG EILCQLKGNF PFKIVQDTKN TYRLVTDGAL DREQIPEYNV TITATDKGNP PLSSSKTITL HILD
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for PCDHGB3 recombinant protein	This gene is a member of the protocadherin gamma gene cluster, one of three related clusters tandemly linked on chromosome five. These gene clusters have an immunoglobulin-like organization, suggesting that a novel mechanism may be involved in their regulation and expression. The gamma gene cluster includes 22 genes divided into 3 subfamilies. Subfamily A contains 12 genes, subfamily B contains 7 genes and 2 pseudogenes, and the more distantly related subfamily C contains 3 genes. The tandem array of 22 large, variable region exons are followed by a constant region, containing 3 exons shared by all genes in the cluster. Each variable region exon encodes the extracellular region, which includes 6 cadherin ectodomains and a transmembrane region. The constant region exons encode the common cytoplasmic region. These neural cadherin-like cell adhesion proteins most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been described for the gamma cluster genes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	734703988
NCBI GeneID	56102
NCBI Accession #	NP_061747.2
NCBI GenBank Nucleotide #	NM_018924.4
UniProt Accession #	Q9Y5G1; Q9Y5C7; A7E229

Molecular Weight	89,342 Da
NCBI Official Full Name	protocadherin gamma-B3 isoform 1
NCBI Official Synonym Full Names	protocadherin gamma subfamily B, 3
NCBI Official Symbol	PCDHGB3
NCBI Official Synonym Symbols	PCDH-GAMMA-B3
NCBI Protein Information	protocadherin gamma-B3
UniProt Protein Name	Protocadherin gamma-B3
UniProt Gene Name	PCDHGB3
UniProt Synonym Gene Names	PCDH-gamma-B3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/pcdhgb3-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/117543>