

Recombinant Human plexin A2 Protein, His-tagged

Cat. No. PLXNA2-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human plexin A2 Protein (35-1237 aa) with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	35-1237 aa
Description	This gene encodes a member of the plexin-A family of semaphorin co-receptors. Semaphorins are a large family of secreted or membrane-bound proteins that mediate repulsive effects on axon pathfinding during nervous system development. A subset of semaphorins are recognized by plexin-A/neuropilin transmembrane receptor complexes, triggering a cellular signal transduction cascade that leads to axon repulsion. This plexin-A family member is thought to transduce signals from semaphorin-3A and -3C.
Molecular Mass	133 kDa
AA Sequence	MPQFSTFHSEN RDWTFNHLTVHQGTGAVYVGAINRVYKLTGNLTIQVAHKTGPEED NKSCYPPLIVQPCSEVLTLTNNVNKLLIIDYSENRLACGSLYQGVCKLLRLDDLFI EP SHKKEHYLSSVNKTGTMYGVIVRSEGEDGKLFIGTAVDGKQDYFPTLSSRKLPRD PESSAMLDYELHSD FVSSLIKIPSDTLALVSHFDIFYIYG FASGGFVYFLTVPETPEG VAINSAGDLFYTSRIVRLCKDDPKFHSYVSLPFGCTRAGVEYRLLQAAYLAKPGDSL AQAFNITSQDDVLFAIFSKGQKQYHHPPDD SALCAFP IRAINLQIKERLQSCYQGE GN

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LELNWLLGKDVQCTKAPVPIDDNFCGLDINQPLGGSTPVEGLTLYTTSRDRMTSVAS
 YVYNGYSVVFVGTKSGKLKKIRADGPPHGGVQYEMVSVLKDGSPILRDMAFSIDQR
 YLYVMSEQRVTRVPVESCEQYTTTCGECLSSGDPHCGWCALHNMCSRRDKCQQA
 WEPNRF AASISQCVSLAVHPSSISVSEHSRLLSLVSDAPDLSAGIACAFGNLTEVEG
 QVSGSQVICISPGPKDVPVIPLDQDWFGLELQLRSKETGKIFVSTEFKFYNCSAHQLC
 LSCVNSAFRCHWCKYRNLCTHDPTTCSFQEGRINISEDCLPQLVPTTEEILIPVGEVKPI
 TLKARNLPQPQSGQRGYECVLNIQGAHRVPALRFNSSSVQCQNSSYQYDGMDISN
 LAVDFAVVWNGNFIIDNPQDLKVHLYKCAAQRESCGLCLKADRKFECGWCSGERR
 CTLHQHCTSPSSPWLDWSSHNVKCSNPQITEILTVSGPPEGGTRVTIHGVNLGLDFS
 EIAHHVQVAGVPCTPLPGEYIIAEQIVCEMHALVGTTSGPVRLCIGECKPEFMTKSH
 QQYTFVNPSVLSLNPPIRGPESSGTMVTITGHYLGAGSSVAVYLGNTCEFYGRSMS
 EIVCVSPSSNGLGPVPVSVSVSDRAHVDSNLQFEYIDDPRVQRIEPEWSIASGHTPL
 TITGFNLDVIQEPRIRVKFNGKESVNVCKVNTTTTLTCLAPSLTDDYRPGLDTVERPD
 EFGFVNQVSLLIYNDTKFIYYPNPTFELLSPTGVLDQKPGSPIILKGKNLCPPASGG
 AKLNYTVLIGETPCAVTVSETQLLCEPPNLTGQHKVMVHVGGMVFSPPSVSVISDSL
 LTLPHHHHHHHH

Endotoxin < 1 EU/μg by LAL.

Purity > 90 % by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer Sterile PBS, pH7.4

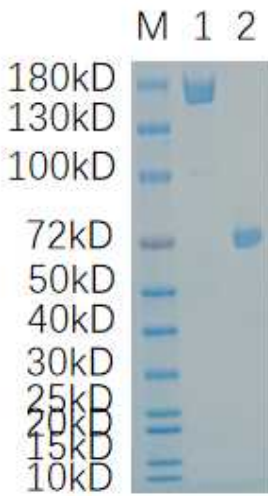
Concentration 1 mg/mL by BCA

GENE INFORMATION

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Gene Name	PLXNA2 plexin A2 [Homo sapiens (human)]
Official Symbol	PLXNA2
Synonyms	PLXNA2; plexin A2; PLXN2; plexin-A2; FLJ11751; FLJ30634; KIAA0463; OCT; plexin 2; semaphorin receptor OCT; transmembrane protein OCT;
Gene ID	5362
mRNA Refseq	NM_025179
Protein Refseq	NP_079455
MIM	601054
UniProt ID	O75051
Reducing 4 %-20 % SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified PLXNA2.	 1. PLXNA2: 1 µg

2. BSA: 1 μ g

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