

## Recombinant Human plexin A2 Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human plexin A2 Protein (35-1237 aa) with His tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	35-1237 aa
<b>Description</b>	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.
<b>Molecular Mass</b>	133 kDa
<b>AA Sequence</b>	MPQFSTFHSEN RDWTFNHLTVHQGTGAVYVGAINRVYKLTGNLTIQVAHKTGPEED NKSCYPPLIVQPCSEVLTLTNNVNKLLIIDYSENRLACGSLYQGVCVCKLLRLDDLFI EP SHKKEHYLSSVNKTGTMYGVIVRSEGEDGKLFITAVDVGKQDYFPTLSSRKLPRD PESSAMLDYELHSDVFSSLIKIPSDTLALVSHFDIFYIYG FASGGFVYFLTVQPETPEG VAINSAGDLFYTSRIVRLCKDDPKFHSYVSLPFGCTRAGVEYRLLQAAYLAKPGDSL AQAFNITSQDDVLF AIFSKGQKQYHHPD DSALCAFFIRAINLQIKERLQSCYQGE GN

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LELNWLLGKDVQCTKAPVPIDDNFCGLDINQPLGGSTPVEGLTLYTTSRDRMTSVAS  
 YVYNGYSVVFVGTGKSGKLLKIRADGPPHGGVQYEMSVLKDGPILRDMAFSIDQR  
 YLYVMSEQRVTRVPVESCEQYTTTCGECLSSGDPHCGWCALHNMCSRDKCQQA  
 WEPNRF AASISQCVSLAVHPSSISVSEHSRLLSLVSDAPDLSAGIACAFGNLTEVEG  
 QVSGSQVICISPGPKDVPVIPLDQDWFGLQLRSKETGKIFVSTEFKFNCSAHQLC  
 LSCVNSAFRCHWCKYRNLCTHDPTTCSFQEGRINISEDQPQLVPTTEEILIPVGEVKPI  
 TLKARNLPQPQSGQRGYEVLNIQGAHRVPALRFNSSSVQCQNSSYQYDGMDISN  
 LAVDFAVVWNGNFIIDNPQDLKVHLYKCAAQRESCGLCLKADRKFECGWCSGERR  
 CTLHQHCTSPSSPWLDWSSHNVKCSNPQITEILTVSGPPEGGTRVTIHGVNLGLDFS  
 EIAHHVQVAGVPCTPLPGEYIIAEQIVCEMHALVGTTSGPVRLCIGECKPEFMTKSH  
 QQYTFVNPSVLSLNPIRGPESSGTMVTITGHYLGAGSSVAVYLGNTCEFYGRSMS  
 EIVCVSPPSSNGLGPVPVSVSVDRAHVDSNLQFEYIDDPRVQRIEPEWSIASGH TPL  
 TITGFNLDVIQEPRIRVKFNGKESVNVCKVVNTTTLTCLAPSLTDDYRPGLD TVERPD  
 EFGFVFN NVQSLLIYNDTKFIYYPNPTFELLSPTGVLDQKPGSPIILKGKNLCP PASGG  
 AKLNYTVLIGETPCAVTVSETQLLCEPPNLTGQHKVMVHVGGMV FSPGSVSVISDSL  
 LTLPHHHHHHHH

<b>Endotoxin</b>	< 1 EU/μg by LAL.
<b>Purity</b>	> 90 % by SDS-PAGE
<b>Storage</b>	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.
<b>Storage Buffer</b>	Sterile PBS, pH7.4
<b>Concentration</b>	1 mg/mL by BCA

## GENE INFORMATION

<b>Gene Name</b>	PLXNA2 plexin A2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	PLXNA2
<b>Synonyms</b>	PLXNA2; plexin A2; PLXN2; plexin-A2; FLJ11751; FLJ30634; KIAA0463; OCT; plexin 2; semaphorin receptor OCT; transmembrane protein OCT;
<b>Gene ID</b>	5362
<b>mRNA Refseq</b>	NM_025179
<b>Protein Refseq</b>	NP_079455
<b>MIM</b>	601054
<b>UniProt ID</b>	O75051

Reducing 4 %-20 %  
SDS-PAGE (CBB  
stained) and WB  
(Anti-His Mouse  
Monoclonal  
antibody) analysis  
profiles of purified  
PLXNA2.



1. PLXNA2: 1 µg

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2. BSA: 1 µg

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