

Recombinant Full Length Human GPHN Protein, C-Flag-tagged

Cat. No. GPHN-873HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human GPHN Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a neuronal assembly protein that anchors inhibitory neurotransmitter receptors to the postsynaptic cytoskeleton via high affinity binding to a receptor subunit domain and tubulin dimers. In nonneuronal tissues, the encoded protein is also required for molybdenum cofactor biosynthesis. Mutations in this gene may be associated with the neurological condition hyperplexia and also lead to molybdenum cofactor deficiency. Numerous alternatively spliced transcript variants encoding different isoforms have been described; however, the full-length nature of all transcript variants is not currently known.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	83.3 kDa
AA Sequence	MATEGMILTNDHGHQIRVGVLTVSDSCFRNLAEDRSGINLKDLVQDPSLLGGTISAYKI VPDEIEEIKETL IDWCDEKELNLILTGGTGFAPRDVTPEATKEVIEREAPGMALAML MGSLNVTPLGMLSRPVCGIRGKTL IINLPGSKKGSQECFQFILPALPHAIDLRLDAIVK VKEVHDELEDLPSPPPPLSPPTTSPHKQTEDKGV QCEEEEEEEKKDSGVASTEDSS SSHITAAAIAAKKHFPYTSAPVMAHGEQPIGLINYSHHSTDERIPDS IISRGVQVLP

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RDTASLSTTPSESPRAQATSRLSTASCPTPKVQSRCSSKENILRASHSAVDITKVAR
 RHR MSPFPLTSMDFAFITVLEMTPLVLTGTEIINYRDGMGRVLAQDVYAKDNLPPFPAS
 VKDGYAVRAADGPGDR FIIGESQAGEQPTQTVMPGQVMRVTTGAPIPCGADAVVQ
 VEDTELIRESDDGTEELEVRILVQARPGQDI RPIGHDIKRGECVLAKGTHMGPSEIGL
 LATVGVTEVEVNKFPVVAVMSTGNELLNPEDDLLPGKIRDSNR STLLATIQEHGYPTI
 NLGIVGDNPDLLNALNEGISRADVIITSGGVSMGEKDYLKQVLDIDLHAQIHFG RVF
 MKPGLPTTFATLDIDGVRKIIFALPGNPVSAVVTCLNFVVPALRKMQGILDPRPTIHKAR
 LSCDVKL DPRPEYHRCILTWHHQEPLPWAQSTGNQMSSRLMSMRSANGLMLLPP
 KTEQYVELHKGEVVDVMVIGRLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

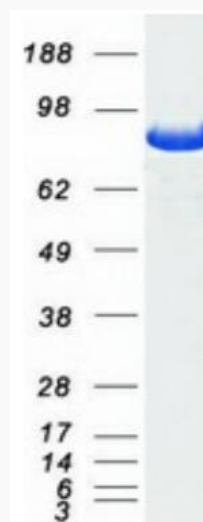
Gene Name	GPHN gephyrin [Homo sapiens (human)]
Official Symbol	GPHN

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Synonyms	GPH; GEPH; HKPX1; GPHRYN; MOCODC
Gene ID	10243
mRNA Refseq	NM_020806.5
Protein Refseq	NP_065857.1
MIM	603930
UniProt ID	Q9NQX3



Coomassie blue staining of purified GPHN protein.