

Product datasheet for PH305986

Gephyrin (GPHN) (NM_020806) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GPHN MS Standard C13 and N15-labeled recombinant protein (NP_065857)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205986
Predicted MW:	83.4 kDa
Protein Sequence:	>RC205986 protein sequence Red=Cloning site Green=Tags(s)

MATEGMILTNHDHQIRVGVLTVSDSCFRNLAEDRSGINLKDLVQDPSLLGGTISAYKIVPDEIEEIKETL
IDWCDEKELNLILTTGGTGFAPRDVTPPEATKEVIEREAPGMALAMLMGSLNVTPLGMLSRPVCGIRGKTL
IINLPGSKKGSQECFQFILPALPHAIDLRLDAIVKVEVHDELEDLSPPPPPLSPPTTSPHKQTEDKGV
QCEEEEEKKGSGVASTEDSSSSHITAAAIAAKKHPFYTSPAVVMAHGEQPIPL INYSHHSTDERIPDS
IISRGVQVLPRTASLSTTPSESPRAQATSRLSTASCPTPKVQSRCSSKENILRASHSAVDITKVARRRH
MSPFPLTSMDFKAFITVLEMTPLVLTGTEIINYRDGMGRVLAQDVYAKDNLPFPASVKDGYAVRAADGPGDR
FIIGESQAGEQPTQTMVPGQVMRVTTGAPIPCGADAVVQVEDTEL IRESDDGTEELEVRILVQARPGQDI
RPIGHDIKRGECVLAKGTHMGPSEIGLLATVGVTEVEVNKFPVVAVMSTGNELLPEDDLLPGKIRDSNR
STLLATIQEHYPTINLGI VGDNPDDLNLALNEGISRADVIITSGGVSMGEKDYLKQVLDIDLHAQIHFG
RVFMKPLPTTFATLDIDGVRKIIFALPGNPVSAVVTGNL FVVPALRKMQGILDRPTI I KARLSCDVKL
DPRPEYHRCILTWHHQEPLPWAQSTGNQMSRRLMSMRSANGLLMLPPKTEQYVELHKGEVVDVMVIGRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_065857</u>



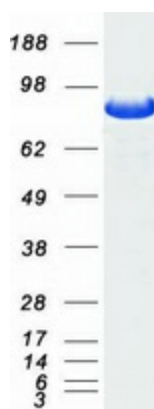
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RefSeq Size:	4318
RefSeq ORF:	2307
Synonyms:	GEPH; GPH; GPHRYN; HKPX1; MOCODC
Locus ID:	10243
UniProt ID:	Q9NQX3
Cytogenetics:	14q23.3-q24.1

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified GPHN protein (Cat# [TP305986]). The protein was produced from HEK293T cells transfected with GPHN cDNA clone (Cat# [RC205986]) using MegaTran 2.0 (Cat# [TT210002]).