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Product datasheet for RC205986L1V

Gephyrin (GPHN) (NM_020806) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Gephyrin (GPHN) (NM_020806) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Gephyrin
Synonyms:	GEPH; GPH; GPHRYN; HKPX1; MOCODC
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_020806
ORF Size:	2307 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205986).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_020806.4
RefSeq Size:	4318 bp
RefSeq ORF:	2310 bp
Locus ID:	10243
UniProt ID:	Q9NQX3
Cytogenetics:	14q23.3-q24.1
Domains:	MoCF_biosynth, MoeA_N, MoeA_C
Protein Families:	Druggable Genome

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MW: 83.4 kDa

Gene 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]