

Product datasheet for PH303758

Retinal protein 4 (UNC119) (NM_005148) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	UNC119 MS Standard C13 and N15-labeled recombinant protein (NP_005139)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203758
Predicted MW:	27 kDa
Protein Sequence:	>RC203758 protein sequence Red=Cloning site Green=Tags(s) MKVKKGGGGAGTATESAPGPSGQSVAPIQPPAESESGSESEP DAGGPRPGPLQRKQPIGPEDVLGLQR ITGDYLC SPEENIYKIDFVRFKIRDMSGTVLFEIKKPPVSERLPINRRDLDPNAGR FVRYQFTPAFLRL RQVGATVEFTVGD KPVNNFRMIERHYFRNQLKSFDFHFGFCIPSSKNTCEHIYDFPPLSEELISEMIRH PYETQSDSFYFVDDRLVMHNKADYSYSGTP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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:	NP_005139
RefSeq Size:	1398
RefSeq ORF:	720
Synonyms:	HRG4; IMD13; POC7; POC7A
Locus ID:	9094
UniProt ID:	Q13432



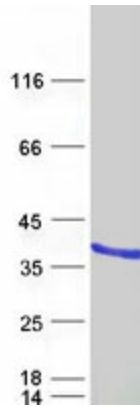
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Cytogenetics: 17q11.2

Summary: This gene is specifically expressed in the photoreceptors in the retina. The encoded product shares strong homology with the *C. elegans* unc119 protein and it can functionally complement the *C. elegans* unc119 mutation. It has been localized to the photoreceptor synapses in the outer plexiform layer of the retina, and suggested to play a role in the mechanism of photoreceptor neurotransmitter release through the synaptic vesicle cycle. Two transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Stem cell - Pluripotency

Product images:



Coomassie blue staining of purified UNC119 protein (Cat# [TP303758]). The protein was produced from HEK293T cells transfected with UNC119 cDNA clone (Cat# [RC203758]) using MegaTran 2.0 (Cat# [TT210002]).