

## Product datasheet for **TP303758**

### Retinal protein 4 (UNC119) (NM\_005148) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human unc-119 homolog (C. elegans) (UNC119), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203758 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MKVKKGGGGAGTATESAPGPSGQSVAPIQPAPAESESGSESEPDAGPGPRPGPLQRKQPIGPEDVLGLQR  
ITGDYLCSPENIYKIDFVRFKIRDMDSGTVLFEIKKPPVSERLPINRRDLDPNAGRFRVRYQFTPAFLRL  
RQVGATVEFTVGDKPVNNFRMIERHYFRNQLLKSFDHFGFCIPSSKNTCEHIYDFPPLSEELISEMIRH  
PYETQSDSFYFVDDRLVMHNKADYSYSGTP

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	26.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_005139</a>
Locus ID:	9094



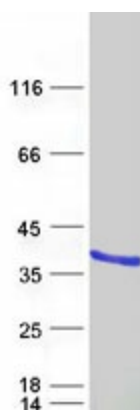
[View online »](#)

UniProt ID: [Q13432](#)  
RefSeq Size: 1398  
Cytogenetics: 17q11.2  
RefSeq ORF: 720  
Synonyms: HRG4; IMD13; POC7; POC7A

**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]).