

## Product datasheet for **TP308124L**

### RP2 (NM\_006915) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human retinitis pigmentosa 2 (X-linked recessive) (RP2), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC208124 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MGCFFSKRRKADKESRPENEEERPKQYSWDQREKVPKDYMFSGLKDETVGRLPGTVAGQQFLIQDCENC  
NIYIFDHSATVTIDDCTNCIIFLGPVKGSVFFRNCRDCKTLACQQFRVRDCRKLFLCCATQPIIESS  
SNIKFGCFQWYYPELAFQFKDAGLSIFNNTWSNIHDFTPVSGELNWSLLPEDAVVQDYVPIPTTEELKAV  
RVSTEANRSIVPISRGQRQKSSDESCLVLFAGDYTIANARKLIDEMVVGKGFLLVQTKVSMKAEDAQRV  
FREKAPDFLPLLNKGPVIALEFNGDGAVEVCQLIVNEIFNGTKMFVSESKETASGDVDSFYNFADIQMG

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 39.5 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:** [NP\\_008846](#)

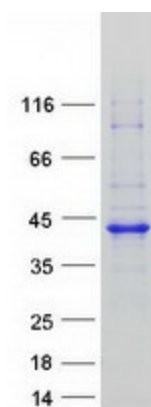
**Locus ID:** 6102



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UniProt ID:	<a href="#">O75695</a>
RefSeq Size:	3831
Cytogenetics:	Xp11.3
RefSeq ORF:	1050
Synonyms:	DELXp11.3; NM23-H10; NME10; TBCCD2; XRP2
Summary:	The RP2 locus has been implicated as one cause of X-linked retinitis pigmentosa. The predicted gene product shows homology with human cofactor C, a protein involved in the ultimate step of beta-tubulin folding. Progressive retinal degeneration may therefore be due to the accumulation of incorrectly-folded photoreceptor or neuron-specific tubulin isoforms followed by progressive cell death [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome

### Product images:



Coomassie blue staining of purified RP2 protein (Cat# [TP308124]). The protein was produced from HEK293T cells transfected with RP2 cDNA clone (Cat# [RC208124]) using MegaTran 2.0 (Cat# [TT210002]).