

Product datasheet for **TP308124M**

RP2 (NM_006915) Human Recombinant Protein

Product data:

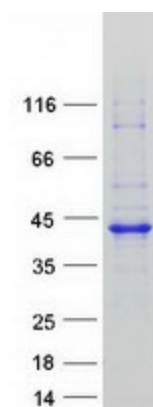
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human retinitis pigmentosa 2 (X-linked recessive) (RP2), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208124 protein sequence Red =Cloning site Green =Tags(s)
	 MGCFFSKRRKADKESRPENEEERPKQYSWDQREKVPKDYMFSGLKDETVGRLPGTVAGQQFLIQDCENC NIYIFDHSATVTIDDCTNCIIFLGPVKGSVFFRNCRDCKTLACQQFRVRDCRKLFLCCATQPIIESS SNIKFGCFQWYYPELAFQFKDAGLSIFNNTWSNIHDFTPVSGELNWSLLPEDAVVQDYVPIPTTEELKAV RVSTEANRSIVPISRGQRQKSSDESCLVLFAGDYTIANARKLIDEMVKGFFLVQTKVSMKAEDAQRV 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



[View online »](#)

UniProt ID:	O75695
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]).