

Recombinant Full Length Human RP2 Protein, C-Flag-tagged

Cat. No. RP2-1246HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human RP2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	39.5 kDa
AA Sequence	MGCFFSKRRKADKESRPENEEERPKQYSWDQREKVDPKDYMFSGLKDETVGRLP GTVAGQQFLIQDCENC NIYIFDHSATVTIDDCTNCIIFLGPVKGSVFFRNCRDCKCTL ACQQFRVRDCRKLEVFLCCATQPIIESS SNIKFGCFQWYYPELAFQFKDAGLSIFNN TWSNIHDFTPVSGELNWSLLPEDAVVQDYVPIPTTEELKAV RVSTEANRSIVPISRG QRQKSSDESCLVVLFAGDYTIANARKLIDEMVGKGFFLVQTKEVSMKAEDAQRV FR EKAPDFLPLLNGKGPVIALEFNGDGAVEVCQLIVNEIFNGTKMFVSESKETASGDVDSF YNFADIQMGITRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	RP2 RP2 activator of ARL3 GTPase [Homo sapiens (human)]
Official Symbol	RP2
Synonyms	XRP2; NME10; TBCCD2; NM23-H10; DELXp11.3
Gene ID	6102
mRNA Refseq	NM_006915.3
Protein Refseq	NP_008846.2
MIM	300757

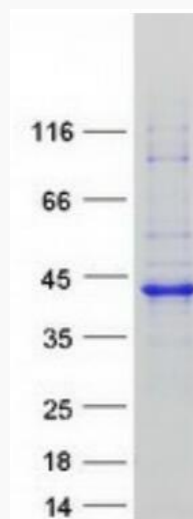
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UniProt ID

O75695



Coomassie blue staining of purified RP2 protein.

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