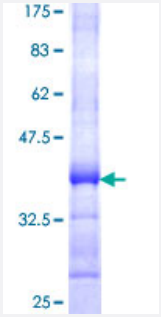
RP2 (Human) Recombinant Protein (Q01)

Catalog # H00006102-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human RP2 partial ORF (NP_008846, 251 a.a. - 350 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	RKLIDEMVGKGFFLVQTKEVSMKAEDAQRVFREKAPDFLPLLNKGPVIALEFNGDGAVEVCQLIV NEIFNGTKMFVSESKETASGDVDSFYNFADIQMGI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (86); Rat (87)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RP2

Entrez GeneID	6102
GeneBank Accession#	NM_006915
Protein Accession#	NP_008846
Gene Name	RP2
Gene Alias	DELXp11.3, KIAA0215, TBCCD2
Gene Description	retinitis pigmentosa 2 (X-linked recessive)
Omim ID	300578 312600
Gene Ontology	Hyperlink
Gene 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 be ta-tubulin folding. Progressive retinal degeneration may therefore be due to the accumulation of in correctly-folded photoreceptor or neuron-specific tubulin isoforms followed by progressive cell de ath [provided by RefSeq
Other Designations	OTTHUMP00000023189|XRP2 protein

Disease

- Genetic Diseases
- Retinal Diseases
- Retinitis Pigmentosa