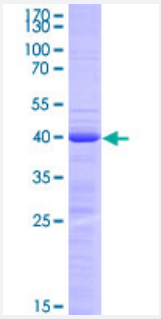
RAX (Human) Recombinant Protein (Q01)

Catalog # H00030062-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human RAX partial ORF (NP_038463.2, 104 a.a. - 206 a.a.) recombinant protein with GST tag at N-terminal.
Sequence	KEPWEARPSPGLPVGPATGEAKLSEEEQPKKKHRRNRTTFTTYQLHELERAFEKSHYPDVYSRE ELAGKVNLPEVRVQVWFQNRRAKWRRQEKLEVSSMKLQD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.96
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 — RAX

Entrez GeneID	30062
GeneBank Accession#	no gene_acc
Protein Accession#	NP_038463.2
Gene Name	RAX
Gene Alias	MCOP3, RX
Gene Description	retina and anterior neural fold homeobox
Omim ID	601881
Gene Ontology	Hyperlink
Gene Summary	Development of the vertebrate eye requires a series of steps including specification of the anterior neural plate, evagination of the optic vesicles from the ventral forebrain, and the cellular differentiation of the lens and retina. Homeobox-containing genes, including RAX, play a critical role in vertebrate and invertebrate eye formation (Mathers et al., 1997 [PubMed 9177348]).[supplied by OMIM
Other Designations	retinal homeobox protein

Disease

- Anophthalmos
- Coloboma
- Genetic Predisposition to Disease
- Microphthalmos