Full-Length

KIF22 (Human) Recombinant Protein (P01)

Catalog # H00003835-P01 Size 50 ug

Specification

Product Description	Human KIF22 full-length ORF (BAG35167.1, 1 a.a. - 665 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAAGGSTQQRRREMAAASAAAISGAGRCRLSKIGATRRPPPARVRVAVRLRPFVDGTAGASDP PCVRGMDSCSLEIANWRNHQETLKYQFDAFYGERSTQQDIYAGSVQPILRHLLEGQNASVLAYGP TGAGKTHTMLGSPEQPGVIPRALMDLLQLTREEGAEGRPWALSVTMSYLEIYQEKVLDLLDPASG DLVIREDCRGNILIPGLSQKPISSFADFERHFLPASRNRTVGATRLNQRSSRSHAVLLVKVDQRER LAPFRQREGKPYLIDLAGSEDNRRTGNKGLRLKESGAINTSLFVLGKVVDALNQGLPRVPYRDSK LTRLLQDSLGGSAHSILIANIAPERRFYLDTVSALNFAARSKEVINRPFTNESLQPHALGPVKLSQK ELLGPPEAKRARGPEEEEIGSPEPMAAPASASQKLSPLQKLSSMDPAMLERLLSLDRLLASQGS QGAPLLSTPKRERMVLMKTVEEKDLEIERLKTKQKELEAKMLAQKAEEKENHCPTMLRPLSHRT VTGAKPLKKAVVMPLQLIQEQAASPNAEIHILKNKGRKRKLESLDALEPEEKAEDCWELQISPELL AHGRQKILDLLNEGSARDLRSLQRIGPKKAQLIVGWRELHGPFSQVEDLERVEGITGKQMESFLK ANILGLAAGQRCGAS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	99.55
Interspecies Antigen Sequence	Mouse (81); Rat (82)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
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

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- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — KIF22

Entrez GeneID	3835
GeneBank Accession#	AK312234.1
Protein Accession#	BAG35167.1
Gene Name	KIF22
Gene Alias	KID, KNSL4, OBP, OBP-1, OBP-2
Gene Description	kinesin family member 22
Omim ID	603213
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of kinesin-like protein family. This family of protein s are microtubule-dependent molecular motors that transport organelles within cells and move chr omosomes during cell division. The C-terminal half of this protein has been shown to bind DNA. S tudies with the Xenopus homolog suggests its essential role in metaphase chromosome alignme nt and maintenance. [provided by RefSeq
Other Designations	kinesin-like 4|oriP binding protein|origin of plasmid DNA replication-binding protein

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