

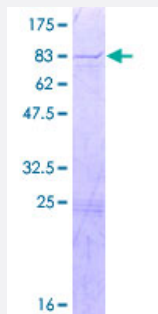
Full-Length

KIF12 (Human) Recombinant Protein (P01)

Catalog # H00113220-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human KIF12 full-length ORF (NP_612433.1, 1 a.a. - 513 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MQRTFAWLLDRVQHLGAPVTLRASYLEIYNEQVRDLLSLGSPRPLPVRWNKTRGFYVEQLRVVEF
GSLEALMELLQTGLSRRRNSAHTLNQASSRSHALLTLYSRQTAQQMPSVDPGEPPVGGKLCFV
DLAGEKVAATGSRGELMLEANSINRSLALGHCISLLDPQRKQSHIPFRDSKLTLLADSLGGR
GVTLMVACVSPSAQCLPETLSTLRYASRAQRVTTTPQAPKSPVAKQPQRLETEMLQLQEENRRL
QFQLDQMDCKASGLSGARVAWAQRNLYGMLQEFMLENERLRKEKSQLQNSRDLAQNEQRILAQ
QVHALERRLLSACYHHQQGPGLTPPCCLMAPAPPCHALPPLYSCPCCHICPLCRVPLAHWACL
PGEHHLPPQVLDPEASGGRPPSARPPPWAPPCSPGSAKCPRESHSDWTQTRVLAEMLTEEEV
VPSAPPLPVRPPKTSPGLRGGAGVPNLAQRLEALRDQIGSSLRRGRSQPPCSEGARSPGQVLP
PH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

83

Interspecies Antigen Sequence

Mouse (79); Rat (77)

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 — KIF12

Entrez GeneID	113220
GeneBank Accession#	NM_138424.1
Protein Accession#	NP_612433.1
Gene Name	KIF12
Gene Alias	RP11-56P10.3
Gene Description	kinesin family member 12
Omim ID	611278
Gene Ontology	Hyperlink
Gene Summary	KIF12 is a member of the kinesin superfamily of microtubule-associated molecular motors (see MIM 148760) that play important roles in intracellular transport and cell division (Nakagawa et al., 1997 [PubMed 9275178]).[supplied by OMIM]
Other Designations	OTTHUMP00000021965