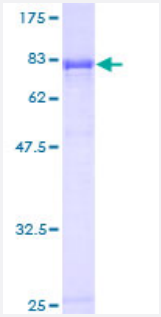
Full-Length

SYMPK (Human) Recombinant Protein (P01)

Catalog # H00008189-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SYMPK full-length ORF (AAH30214, 1 a.a. - 533 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MASGSGDSVTRRSVASQFFTQEEGPGIDGMTTSERVVDLLNQAALITNDSKITVLKQVQELIINKDP TLLDNFLDEIIAFQADKSIEVRKFVIGFIEEACKRDIELLLKLIANLNMLLRDENVNVVKKAILTMTQLY KVALQWMVKSRVISELQEACWDMVSAMAGDIILLLDSDNDGIRTHAIKFVEGLIVTLSPRMADSEIP RRQEHDISLDRIPRDHPYIQYNVLWEEGKAALEQLLKFMVHPAISSINLTTALGSLANIARQRPMFM SEVIQAYETLHANLPPTLAKSQVSSVRKNLKLHLLSVLKHPASLEFQAQITTLLVDLGTPQAEIARN MPSSKDTRKRPRDDSDSTLKKMKLEPNLGEDDEDKDLEPGPSGTSKASAQISGQSDTDITAEFL QPLLTPDNVANLVLISMVYLPEAMPASFQAIYTPVESAGTEAQIKHLARLMATQMTAAGLGPGVEQ TKQCKEEPKEEKVVKTESVLIKRRLSAQGQAISVVGSLSSMSPLEEEAPQAKRRPEPIIPVTQPR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	84.37
Interspecies Antigen Sequence	Mouse (97); Rat (97)
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 — SYMPK

Entrez GeneID	8189
GeneBank Accession#	BC030214
Protein Accession#	AAH30214
Gene Name	SYMPK
Gene Alias	FLJ27092, SPK, SYM
Gene Description	symplekin
Omim ID	602388
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a nuclear protein that functions in the regulation of polyadenylation and promotes gene expression. The protein forms a high-molecular weight complex with components of the polyadenylation machinery. It is thought to serve as a scaffold for recruiting regulatory factors to the polyadenylation complex. It also participates in 3'-end maturation of histone mRNAs, which do not undergo polyadenylation. The protein also localizes to the cytoplasmic plaques of tight junctions in some cell types. [provided by RefSeq
Other Designations	-

Pathway

- Tight junction

Disease

- Crohn Disease
- Genetic Predisposition to Disease