

Recombinant Human SYMPK Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SYMPK-4570H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SYMPK MS Standard C13 and N15-labeled recombinant protein (NP_004810) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	141 kDa
AA Sequence	MASGSGDSVTRRSVASQFFTQEEGPGIDGMTTSERVVDLLNQAALITNDSKITVLKQ VQELIINKDPTLLDNFLDEIIAFQADKSIEVRKFVIGFIEEACKRDIELLLKLIANLNMLLR DENNVVVKKAILTMTQLYKVALQWMVKSRVISELQEACWDMVSAMAGDIILLDSDN DGIRTHAIKFVEGLIVTLSPRMADSEIPRRQEHDISLDRIPRDHPYIQYNVLWEEGKAA LEQLLKFMVHPAISSINLTALGSLANIRQRPMFMSEVIQAYETLHANLPPTLAKSQV SSVRKNLKLHLLSVLKHPASLEFQAQITLLVDLGTQPQAEIARNMPSSKDTRKRPRDD

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SDSTLKKMKLEPNLGEDDEDKDLEPGPSGTSKASAQISGQSDTDITAEFLQPLLTPD
 NVANLVLISMVYLPEAMPASFQAIYTPVESAGTEAQIKHLARLMATQMTAAGLPGV
 EQTKQCKEKPKEEKVVKTESVLIKRRLSAQGQAISVVGSLSSMSPLEEEAPQAKRRP
 EPIIPVTQPRLAGAGGRKKIFRLSDVLKPLTDAQVEAMKLGAVKRILRAEKAVACSGA
 AQVRIKILASLVTQFNSSLKAEVLSFILEDVRARLDLAFALYQEYNAYLAAGASGSL
 DKYEDCLIRLLSGLQEKPDKGIFTKVLEAPLITESALEVVRKYCEDESRTYLGMS
 TLRDLIFKRPSRQFQYLHVLLDLSSHEKDKVRSQALLFIKRMYEKEQLREYVEKFALN
 YLQLLVHPNPPSVLFGADKDTEVAAPWTEETVKQCLYLYLALLPQNHKLIHELAAVYT
 EAIADIKRTVLRVIEQPIRGMGMNSPELLLLVENCCKGAETLVTRCLHSLTDKVPSP
 ELVKRVRDLYHKRLPDVRFLIPVLNGLEKKEVIQALPKLIKLNPIVVKEVFNRLGTQH
 GEGNSALSPLNPGELLIALHNIDSVKCDMKSIIKATNLCFAERNVYTSEVLAVVMQQL
 MEQSPLPMLLMRTVIQSLTMYPRLLGGFVMNLSRLIMKQVWKYPKVWEGFIKCCQR
 TKPQSFQVILQLPPQQLGAVFDKCELPRELLAHVRSFTPHQQAHIPNSIMTILEASG
 KQEPEAKEAPAGPLEDDLEPLTLAPAPAPRPPQDLIGLRLAQEKALKRQLEEEQKL
 KPGGVGAPSSSSPSPSPSARPGPPPSEEAMDFREEGPECETPGIFISMDDDSGLTE
 AALLDSSLEGPLPKETAAGGLTLKEERSPQTLAPVGEDAMKTPSPAEDAREPEAK
 GNSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

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Gene Name	SYMPK symplekin [Homo sapiens (human)]
Official Symbol	SYMPK
Synonyms	SYMPK; symplekin; SPK; SYM; symplekin
Gene ID	8189
mRNA Refseq	NM_004819
Protein Refseq	NP_004810
MIM	602388
UniProt ID	Q92797
SDS-PAGE	