

Product datasheet for TP316742M

Symplekin (SYMPK) (NM_004819) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human symplekin (SYMPK), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216742 representing NM_004819 Red=Cloning site Green=Tags(s)

MASGSGDSVTRRSVASQFFTQEEGPGIDGMITTSERVDLLNQAALITNDSKITVLKQVQELIINKDPTLL
DNFLDEIIAFQADKSIEVRKFKVIGFIEEACKRDIELLLKLIANLNMLLRDENNVVKKAILTMTQLYKVA
LQWMVKSRISELQEACWDMVMSAMAGDIILLLDSDNDGIRTHAIKFVEGLIVTLSPRMADSEIPRRQEH
ISLDRIPRDHPYIQYNVLWEEGKAALEQLLKFMVHPAISSINLTALGSLANIARQRPMFMSEVIQAYET
LHANLPPTLAKSQVSSVRKNLKLHLLSVLKHPASLEFQAQITTLVLDLGTQPQAEIARNMPSSKDTRKRPR
DDSDTLKMKLEPNLGEDDEDKDLPEGPSGTSKASAQISGQSDTDITAEFLQPLTPDNVANLVLISMV
YLPEAMPASFQAIYTPVESAGTEAQIKHLARLMATQMTAAGLPGVEQTKQCKEEPKEEKVVKTESVLIK
RRLSAQGQAISVWGLSSMSPLEEEAPQAKRRPEPIIPVTQPRLAGAGGRKKIFRLSDVLKPLTDAQVEA
MKLGAVKRILRAEKAVACSGAAQVRIKILASLVTQFNSGLKAEVLSFILEDVRARLDLAFAWLYQEYNAY
LAAGASGSLDKYEDCLIRLLSGLQEKPDKDGFITKVVLEAPLITESALEVVRKYCEDESRTYLG MSTLR
DLIFKRPSRQFQYLHVLLDLSSHEKDKVRSQALLFIKRMYEKEQLREYVEKFALNYLQLLVHPNPPSVLF
GADKDTEVAAPWTEETVKQCLYLYLALLPQNHKLIHELAAYTEAIADIKRTVLRVIEQPIRGMGMNSPE
LLLLVENC PKGAETLVTRCLHSLTDKVPSPPELVKRVRDLYHKRLPDVRFLIPVLNGLKKEVIQALPKL
IKLNPIVWKEVFNRLGTQHGE GNSALSPLNPGELLIALHNIDSVKCDMKSIKATNLCFAERNVYTSEV
LAVVMQQLMEQSPLPMLLMRTVIQSLTMYPRLG GFVMNILSRLIMKQVWKYPKVVWEGFIKCCQRTKPSF
QVILQLPPQQLGAVFDKCPPELREPLLAHVRSFTPHQQAHIPNSIMTILEASGKQPEAKEAPAGPLEEDD
LEPLTLAPAPAPRPPQDLIGLRLAQEKALKRQLEEEQKLPKGGV GAPS SSSPSPSPSARPGPPPSEAMD
FREEGPECETPGIFISMDDDSGLTEAALLDSSLEGPLPKETAAGGLTLKEERSPQTLAPVGEDAMKTPSP
AAEDAREPEAKGNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

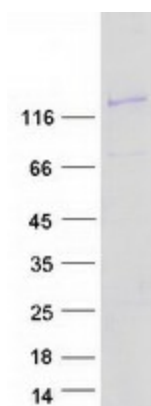
Tag:	C-Myc/DDK
Predicted MW:	141 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_004810</u>
Locus ID:	8189
UniProt ID:	<u>Q92797, A0A024R0R6</u>
RefSeq Size:	4188
Cytogenetics:	19q13.32
RefSeq ORF:	3822
Synonyms:	Pta1; SPK; SYM
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, Jul 2008]
Protein Pathways:	Tight junction

Product images:



Coomassie blue staining of purified SYMPK protein (Cat# [TP316742]). The protein was produced from HEK293T cells transfected with SYMPK cDNA clone (Cat# [RC216742]) using MegaTran 2.0 (Cat# [TT210002]).