

## Product datasheet for TP316742L

### Symplekin (SYMPK) (NM\_004819) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human symplekin (SYMPK), 1 mg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC216742 representing NM\_004819  
Red=Cloning site Green=Tags(s)

MASGSGDSVTRRSVASQFFTQEEGPGIDGMITTSERVDLLNQAALITNDSKITVLKQVQELIINKDPTLL  
 DNFLDEIIAFQADKSIEVRKFKVIGFIEEACKRDIELLLKLIANLNMLLRDENVNVVKKAILTMTQLYKVA  
 LQWMVKSRISELQEACWDMVMSAMAGDIILLLDSDNDGIRTHAIKFEGLIVTSPRMADSEIPRRQEH  
 ISLDRIPRDHPYIQYNVLWEEGKAALEQLLKFMVHPAISSINLTTALGSLANIARQRPMFMSEVIQAYET  
 LHANLPPTLAKSQVSSVRKNLKLHLLSVLKHPASLEFQAQITLLVLDLGTQPQAEIARNMPSSKDTRKRPR  
 DDSSTLKKMKLEPNLGEDDEDKDLPEGPSGTSKASAQISGQSDTDITAEFLQPLTPDNVANLVLISMV  
 YLPEAMPASFQAIYTPVESAGTEAQIKHLARLMATQMTAAGLPGVEQTKQCKEEPKEEKVVKTESVLIK  
 RRLSAQGQAISVWGLSSMSPLEEEAPQAKRRPEPIIPVTQPRLAGAGGRKKIFRLSDVLKPLTDAQVEA  
 MKLGAVKRILRAEKAVACSGAAQVRIKILASLVTQFNSGLKAEVLSFILEDVRARLDLAFAWLYQEYNAY  
 LAAGASGSLDKYEDCLIRLLSGLQEKPDKDGFITKVVLEAPLITESALEVVRKYCEDESRTYLG MSTLR  
 DLIFKRPSRQFQYLHVLLDLSSHEKDKVRSQALLFIKRMYEKEQLREYVEKFALNYLQLLVHPNPPSVLF  
 GADKDEVAAPWTEETVKQCLYLYLALLPQNHKLIHELAAVYTEAIADIKRTVLRVIEQPIRGMGMNSPE  
 LLLLVENC PKGAETLVTRCLHSLTDKVPSPPELVKRVRDLYHKRLPDVRFLIPVLNGLKKEVIQALPKL  
 IKLNPIVWKEVFNRLGTQHGE GNSALSPLNPGELLIALHNIDSVKCDMKSIKATNLCFAERNVYTSEV  
 LAVVMQQLMEQSPLPMLLMRTVIQSLTMYPRLG GFVMNLSRLIMKQVWKYPKVVWEGFIKCCQRTKQSF  
 QVILQLPPQQLGAVFDKCPREPLLAHVRSFTPHQQAHIPNSIMTILEASGKQPEAKEAPAGPLEEDD  
 LEPLTLAPAPAPRPPQDLIGLRLAQEKALKRQLEEEQKLPKGGV GAPS SSSPSPSPSARPGPPPSEAMD  
 FREEGPECETPGIFISMDDDSGLTEAALLDSSLEGPLPKETAAGGLTLKEERSPQTLAPVGEDAMKTPSP  
 AAEDAREPEAKGNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

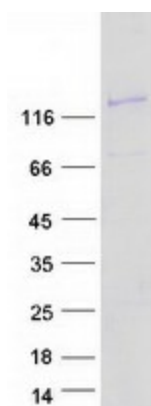
**Tag:** C-Myc/DDK  
**Predicted MW:** 141 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method



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