

Product datasheet for **TP315496L**

STK23 (SRPK3) (NM_014370) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human SFRS protein kinase 3 (SRPK3), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215496 protein sequence Red =Cloning site Green =Tags(s)

MSASTGGGGDSGGSGGSSSSSQASCGPESSGSELALATPVPQMLQGLLGSDDDEEQEDPKDYCKGGYHPVK
IGDVFNGRYHVVRKLGWGHFSTVWLCWDIQRKRFFALKVWKSAGHYTETAVDEIKLLKCVRDSDPSDPKR
ETIVQLIDDFRISGVNGVHVCMLVLEVLGHQLLKWIIKSNYQGLPVPVKSIVRQVLHGLDYLHTKCKIIH
TDIKPENILLCVGDAYIRRLAAEATEWQQAGAPPPSRIVSTAPQEVLTGKLSKNKRKKMRRKRKQQR
LLEERLRLQRLEAMEAATQAEDSGLRLDGGSGSTSSSGCHPGGARAGPSPASSSPAPGGGRSLSAGSQT
SGFSGSLFSPASCSILSGSSNQRETGGLLSPSTPFGASNLLVNPLEPQNADKIKIKIADLGNACWVHKHF
TEDIQTRQYRAVEVLIGAEYGPADIWSTACMAFELATGDYLFEPHSGEDYSRDEDHIAHIVELLGDIPP
AFALSGRYSREFFNRRGELRHIHNLKHWGLYEVLMEKYEWPLEQATQFSAFLPMMEYIPEKRASAADCL
QHPWLNP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

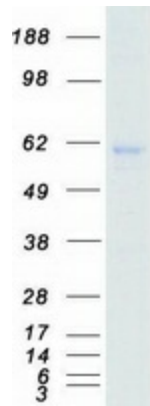
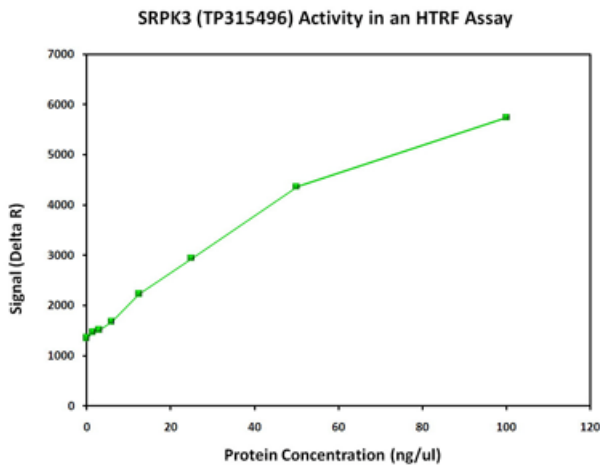
Tag:	C-Myc/DDK
Predicted MW:	61.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Bioactivity:	SRPK3 activity verified in a biochemical assay: SRPK3 (SRSF protein kinase 3) (TP315496) activity was measured in a homogeneous time-resolved fluorescent (HTRF®) assay. SRPK3 is a serine/threonine kinase similar to a protein kinase which is specific for the SR (serine/arginine-rich domain) family of splicing factors. Varying concentrations of SRPK3 were added to a reaction mix containing ATP and a biotinylated kinase substrate and the reaction mixture was incubated to allow the protein to phosphorylate the substrate. HTRF detection reagents were then added, and the time-resolved fluorescent signal was measured on a Flexstation 3 microplate reader. The time resolved fluorescent signal is expressed as “delta R” or “ΔR” and is a ratio calculated from the fluorescent emission intensities of the donor and acceptor fluorors.
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:	NP_055185
Locus ID:	26576
UniProt ID:	Q9UPE1
RefSeq Size:	2014
Cytogenetics:	Xq28
RefSeq ORF:	1701
Synonyms:	MSSK-1; MSSK1; STK23
Summary:	This gene encodes a protein kinase similar to a protein kinase which is specific for the SR (serine/arginine-rich domain) family of splicing factors. A highly similar protein has been shown to play a role in muscle development in mice. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2009]
Protein Families:	Druggable Genome, Protein Kinase

Product images:



Coomassie blue staining of purified SRPK3 protein (Cat# [TP315496]). The protein was produced from HEK293T cells transfected with SRPK3 cDNA clone (Cat# [RC215496]) using MegaTran 2.0 (Cat# [TT210002]).