

Product datasheet for **TP301551M**

SPOP (NM_001007229) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human speckle-type POZ protein (SPOP), transcript variant 6, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201551 protein sequence Red =Cloning site Green =Tags(s)
	<p>MSRVSPPPPAEMSSGPVAESWCYTQIKVVKFSYMWTTINNFSCREEMGEVIKSSTFSSGANDKLLKWLCLR VNPKGLDEESKDYLSTLYLLLVSCPKEVRAKFKFSILNAKGEETKAMESQRAYRFVQGDWGFKKFIRRD FLLDEANGLLPDDKLTLCFEVSVVQDSVNISGQNTMNMVKVPECLADELGLWENSFRFTDCCLCVAGQE FQAHKAILAARSPVFSAMFEHEMEESKKNRVEINDVEPEVFKEMMCFIYTGKAPNLDKMADDLLAAADKY ALERLKVMCEDALCSNLSVENAAEILILADLHSADQLKTQAVDFINYHASDVLETSGWKSMVSHPHLVA EAYRSLASACPFGLGPPRKRLKQS</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	42 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
Bioactivity:	MS digestion standard (PMID: 28810879)
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_001007230



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Locus ID: 8405
UniProt ID: [Q43791](#)
RefSeq Size: 2982
Cytogenetics: 17q21.33
RefSeq ORF: 1122
Synonyms: BTBD32; NEDMACE; NEDMIDF; NSDVS1; NSDVS2; TEF2

Summary: This gene encodes a protein that may modulate the transcriptional repression activities of death-associated protein 6 (DAXX), which interacts with histone deacetylase, core histones, and other histone-associated proteins. In mouse, the encoded protein binds to the putative leucine zipper domain of macroH2A1.2, a variant H2A histone that is enriched on inactivated X chromosomes. The BTB/POZ domain of this protein has been shown in other proteins to mediate transcriptional repression and to interact with components of histone deacetylase co-repressor complexes. Alternative splicing of this gene results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jul 2008]

Product images:

Peptide	Charge	Transition	Production type	LOD fmol/μg	LOQ fmol/μg	t _R min
VNPKGLDEESKDYL ^S LYLLLVSCP ^K SEVR	4+	838.7–962.2	y8	0.4	1	30.0
VNPKGLDEESKDYL ^S L ^N LLLVSCP ^K SEVR	4+	826.4–962.5	y8	0.2	0.4	28.4
AKFKFSILNAKGEETKAMESQR	4+	629.1–721.3	y6	0.5	1	24.5
AKCKFSILNAKGEETKAMESQR	4+	632.3–721.3	y6	0.5	1	23.8
FVQGKDWGFKK ^F IR	4+	439.8–895.6	y7	0.2	0.5	25.6
FVQGKDWG ^V KK ^F IR	4+	427.8–847.6	y7	0.1	0.2	24.5
LADELGGLWENSR	2+	730.4–918.4	y8	0.05	0.1	27.9
SILASACPF ^L GP ^R	2+	750.9–943.5	y8	0.05	0.1	26.1

t_R retention time

LOD and LOQ (fmol/ug of total protein) of the PRISM-SRM mass spectrometry assay for the SPOP protein (OriGene [TP301551]). Figure cited from J Transl Med, PMID: 28810879



Coomassie blue staining of purified SPOP protein (Cat# [TP301551]). The protein was produced from HEK293T cells transfected with SPOP cDNA clone (Cat# [RC201551]) using MegaTran 2.0 (Cat# [TT210002]).