

Product datasheet for TP301551M

SPOP (NM_001007229) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins Recombinant protein of human speckle-type POZ protein (SPOP), transcript variant 6, 100 µg **Description:** Species: Human HEK293T **Expression Host:** Expression cDNA Clone >RC201551 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s) MSRVPSPPPAEMSSGPVAESWCYTQIKVVKFSYMWTINNFSFCREEMGEVIKSSTFSSGANDKLKWCLR VNPKGLDEESKDYLSLYLLLVSCPKSEVRAKFKFSILNAKGEETKAMESQRAYRFVQGKDWGFKKFIRRD FLLDEANGLLPDDKLTLFCEVSVVQDSVNISGQNTMNMVKVPECRLADELGGLWENSRFTDCCLCVAGQE FQAHKAILAARSPVFSAMFEHEMEESKKNRVEINDVEPEVFKEMMCFIYTGKAPNLDKMADDLLAAADKY ALERLKVMCEDALCSNLSVENAAEILILADLHSADQLKTQAVDFINYHASDVLETSGWKSMVVSHPHLVA EAYRSLASAQCPFLGPPRKRLKQS **TRTRPLEOKLISEEDLAANDILDYKDDDDKV** Tag: C-Myc/DDK Predicted MW: 42 kDa **Concentration:** $>0.05 \mu g/\mu L$ 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. For testing in cell culture applications, please filter before use. Note that you may experience Note: some loss of protein during the filtration process. Storage: Store at -80°C. Stable for 12 months from the date of receipt of the product under proper storage and Stability: handling conditions. Avoid repeated freeze-thaw cycles. RefSeq: NP 001007230



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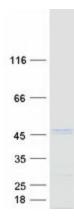
	SPOP (NM_001007229) Human Recombinant Protein – TP301551M				
Locus ID:	8405				
UniProt ID:	<u>O43791</u>				
RefSeq Size:	2982				
Cytogenetics:	17q21.33				
RefSeq ORF:	1122				
Synonyms:	BTBD32; NEDMACE; NEDMIDF; NSDVS1; NSDVS2; TEF2				
Summary:	This gene encodes a protein that may modulate the 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 corepressor 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
VNPKGLDEESKDYLSLYLLLVSCPKSEVR	4+	838.7-962.2	у8	0.4	1	30.0
VNPKGLDEESKDYLSL <u>N</u> LLLVSCPKSEVR	4+	826.4-962.5	y8	0.2	0.4	28.4
AKFKFSILNAKGEETKAMESQR	4+	629.1-721.3	уб	0.5	1	24.5
AK <u>C</u> KFSILNAKGEETKAMESQR	4+	632.3-721.3	уб	0.5	1	23.8
FVQGKDWGFKKFIR	4+	439.8-895.6	у7	0.2	0.5	25.6
FVQGKDWG <u>V</u> KKFIR	4+	427.8-847.6	у7	0.1	0.2	24.5
LADELGGLWENSR	2+	730.4-918.4	у8	0.05	0.1	27.9
SLASAQCPFLGPPR	2+	750.9-943.5	y8	0.05	0.1	26.1

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

 t_R retention time



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]).

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