

Product datasheet for TP301551

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, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201551 protein sequence Red =Cloning site Green =Tags(s)
	MSRVSPPPPAEMSSGPVAESWCYTQIKVVKFSYMWTTNNFSFCREEMGEVIKSSTFSSGANDKLKWCLR VNPKGLDEESKDYLSTLYLLLVSCPKSEVRKFKFSILNAKGEETKAMESQRAYRFVQGDWGFKKFIRRD FLLDEANGLLPDDKLTLCFESVSVQDSVNISGQNTMNMVKVPECRLADELGGLWENSRTDCCLCVAGQ E FQAHKAILAARSPVFSAMFEHEMEESKKNRVEINDVEPEVFKEMMCFIYTGKAPNLDKMAADDLLAAADKY ALERLKVMCEDALCSNLSVENAAEILILADLHSAQLKTQAVDFINYHASDVLETSGWKSMMVVSHPHLVA EAYRSLASAQCPFLGPPRKRLKQS
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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.



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RefSeq: [NP_001007230](#)

Locus ID: 8405

UniProt ID: [O43791](#)

RefSeq Size: 2982

Cytogenetics: 17q21.33

RefSeq ORF: 1122

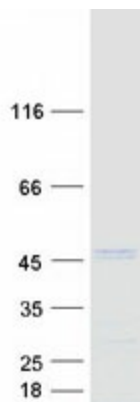
Synonyms: BTBD32; NEDMACE; NEDMIDF; NSDVS1; NSDVS2; TEF2

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
VNPKGLDEESKDYLSLYLLVSCPKSEVR	4+	838.7–962.2	y8	0.4	1	30.0
VNPKGLDEESKDYLSLNLVSCPKSEVR	4+	826.4–962.5	y8	0.2	0.4	28.4
AKFKFSILNAKGEETKAMESQR	4+	629.1–721.3	y6	0.5	1	24.5
AKQKFSILNAKGEETKAMESQR	4+	632.3–721.3	y6	0.5	1	23.8
FVQGKDWGFKKFIIR	4+	439.8–895.6	y7	0.2	0.5	25.6
FVQGKDWGKFKFIIR	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
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



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]).