

Active Recombinant Full Length Human SPOP Protein, C-Flag-tagged

Cat. No. SPOP-527HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SPOP Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	MS digestion standard
Molecular Mass	42 kDa
AA Sequence	MSRVSPPPPPAEMSSGPVAESWCYTQIKVVKFSYMWTTNNFSFCREEMGEVIKSST

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FSSGANDKLKWCLR VNP KGLDEESKDYL SLYLLL VSCPKSEVR AKFKFSILNAKGEE
 TKAMESQRAYRFVQ GKDWGFKKFIRRD FLLDEANGLLPDDKLT LFCESVSVVQDSVN
 ISGQNTMNMVKVPECRLADELGGLWENS RFTDCCLCVAGQE FQAHKAILAARSPV
 FSAMFEHEMEE SKKNRVEINDVEPEVFKEMMCFIYTGKAPNLDKMADDLLAAADKY
 ALERLKVMCEDALCSNLSVENAAEILILADLHSADQLKTQAVDFINYHASDVLETSGW
 KSMVVSHPHLVA
 EAYRSLASAQCPFLGPPRKRLKQSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

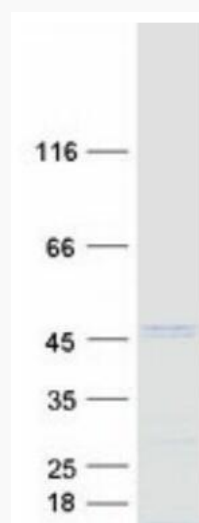
Gene Name	SPOP speckle type BTB/POZ protein [Homo sapiens (human)]
Official Symbol	SPOP
Synonyms	TEF2; BTBD32; NSDVS1; NSDVS2; NEDMACE; NEDMIDF
Gene ID	8405

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mRNA Refseq	NM_001007229.1
Protein Refseq	NP_001007230.1
MIM	602650
UniProt ID	O43791



Coomassie blue staining of purified SPOP protein.

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