

Recombinant Full Length Human SPOP Protein, GST Tagged

Cat. No. SPOP-358HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human SPOP full-length ORF (NP_001007227.1, 1 a.a. - 374 a.a.) recombinant protein with GST-tag at N-terminal was expressed in Wheat Germ (in vitro).
Species	Human
Source	Wheat Germ
ProteinLength	1-374aa
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.
Tag	N-GST
Molecular Mass	68.5 kDa
AA Sequence	MSRVSPPPPAEMSSGPVAESWCYTQIKVVKFSYMWTTNNFSFCREEMGEVIKSST FSSGANDKLKWCLRVNPKGLDEESKDYLSTLYLLLVSCPKESEVRAKFKFSILNAKGEE

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TKAMESQRAYRFVQGKDWGFKKFIRRDFFLLDEANGLLPDDKLTLFCEVSVVQDSVNI
SGQNTMNMVKVPECRLADELGGLWENSRTDCCLCVAGQEFQAHKAILAARSPVF
SAMFEHEMEEKKNRVEINDVEPEVFKEMMCFIYTGKAPNLDKMADDLLAAADKYA
LERLKVMCEDALCSNLSVENAAEILILADLHSAQLKTQAVDFINYHASDVLETSGWK
SMVVSHPHLVAEAYRSLASAQCPFLGPPRKRLKQS

**Quality Control
Testing**

12.5% SDS-PAGE Stained with Coomassie Blue.

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

SPOP speckle type BTB/POZ protein [Homo sapiens (human)]

Official Symbol

SPOP

Synonyms

SPOP; speckle type BTB/POZ protein; TEF2; BTBD32; NSDVS1; NSDVS2;
NEDMACE; NEDMIDF; speckle-type POZ protein; HIB homolog 1; roadkill homolog 1

Gene ID

8405

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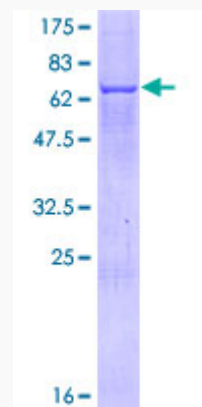
mRNA Refseq [NM_001007226](#)

Protein Refseq [NP_001007227](#)

MIM [602650](#)

UniProt ID [O43791](#)

SDS-PAGE



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