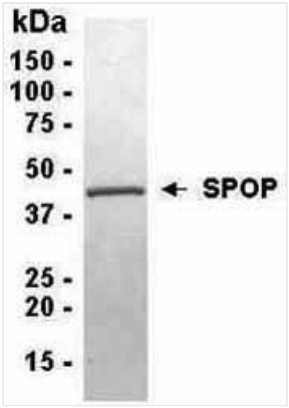
Speckle-Type POZ Protein (SPOP) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Speckle-type POZ Protein (SPOP), Recombinant Protein
Full Product Name	Speckle-type POZ Protein (SPOP) Recombinant, Human
Product Gene Name	SPOP recombinant protein
Host	E Coli
Form/Format	Supplied as a liquid in 10mM Tris, pH 8, 0.1% Triton X-100, 0.002% sodium azide.
Purity/Purification	Highly Purified Highly purified
Preparation and Storage	Aliquot to avoid repeated freezing and thawing and store at -70 degree C. Aliquots are stable for at least 6 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	42,132 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (47676246..47755525, complement). Location: 17q21.33
OMIM	602650
3D Structure	ModBase 3D Structure for O43791
Quality Control	SDS-PAGE
Product Categories/Family for SPOP recombinant protein	Molecular Biology; MB-Proteins
Applications Tested/Suitable for SPOP recombinant protein	ELISA (EL/EIA)
Application Notes for SPOP recombinant protein	Suitable for use in ELISA and Western Blot.
Related Product Information for SPOP recombinant protein	MBS636185 is a recombinant protein targeting SPOP. Also known as Speckle-type POZ Protein (SPOP) Recombinant, Human. Host: E Coli.
Other Notes	Small volumes of SPOP recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of SPOP recombinant protein
SDS: Analysis of S5373. 4-20% SDS gradient gel. Coomassie blue staining.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SPOP. It may not necessarily be applicable to this product.

NCBI GI #	56117836
NCBI GeneID	8405
NCBI Accession #	NP_001007227.1
UniProt Primary Accession #	O43791
UniProt Secondary Accession #	Q53HJ1; B2R6S3; D3DTW7
UniProt Related Accession #	O43791
GenBank Nucleotide #	NM_001007226.1
NCBI Official Full Name	speckle-type POZ protein
NCBI Official Synonym Full Names	speckle-type POZ protein
NCBI Official Symbol	SPOP
NCBI Official Synonym Symbols	TEF2; BTBD32
UniProt Protein Name	Speckle-type POZ protein
UniProt Synonym Protein Names	HIB homolog 1; Roadkill homolog 1
Protein Family	Speckle-type POZ protein
UniProt Gene Name	SPOP
UniProt Entry Name	SPOP_HUMAN
NCBI Protein Information	speckle-type POZ protein; HIB homolog 1; roadkill homolog 1
NCBI Summary for SPOP	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]
UniProt Comments for SPOP	SPOP: Inhibits IPF1/PDX1 transactivation of established target promoters, such as insulin, may be by recruiting a repressor complex. In complex with CUL3, involved in ubiquitination of BMI1, H2AFY and DAXX, and probably also in ubiquitination and proteasomal degradation of Gli2 or Gli3. Belongs to the Tdpoz family. Chromosomal Location of Human Ortholog: 17q21.33 Cellular Component: nucleoplasm; nuclear speck; nucleus Molecular Function: protein binding; ubiquitin protein ligase binding Biological Process: proteasomal ubiquitin-dependent protein catabolic process; protein ubiquitination during ubiquitin-dependent protein catabolic process; glucose homeostasis
Research Articles on SPOP	**1.** Loss of expression of SPOP gene might play a role in cancer pathogenesis by altering tumor suppressor gene functions of SPOP.
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