

SPOP Human

Description: SPOP Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 394 amino acids (1-374 a.a.) and having a molecular mass of 44.3kDa. The SPOP is purified by proprietary chromatographic techniques.

Catalog #: PRPS-202

For research use only.

Synonyms: Speckle-type POZ protein, HIB homolog 1, Roadkill homolog 1, SPOP, TEF2.

Source: Escherichia Coli.

Physical Appearance: SPOP is supplied as a sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MSRVSPPPP AEMSSGPVAE
SWCYTQIKVV KFSYMWTINN FSFCREEMGE VIKSSTFSSG ANDKCLKWCLR VNPKGLDEES
KDYLSTLYLLL VSCPKSEVRA KFKFSILNAK GEETKAMESQ RAYRFVQGKD WGFKKFIRRD
FLLDEANGLL PDDKLTLFCEVSVVQDSVNI SGQNTMNMVK VPECRLADEL GGLWENSRT
DCCLCVAGQE FQA

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The SPOP solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 5mM DTT, 50% glycerol, 0.2M NaCl and 2mM EDTA.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Speckle-type POZ protein (SPOP) belongs to the Tdpoz family containing one N-terminal MATH (Mepirin and TRAF homology) domain and one C-terminal BTB/POZ domain. SPOP inhibits IPF1/PDX1 transactivation of established target promoters, such as insulin, may be by recruiting a repressor complex. SPOP is involved in ubiquitinylation and protein degradation as a result of an interaction with CUL-3.

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