

Recombinant Human Shwachman-Bodian-Diamond Syndrome, His-tagged

Cat. No. SBDS-2844H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant human SBDS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. MW =30.9kDa (270aa) confirmed by MALDI-TOF.

Species Human

Source E.coli

Description Ribosome maturation protein SBDS is a member of a highly conserved protein family that exists from archaea to vertebrates and plants. The protein may function in RNA metabolism. It may be involved in the biogenesis of the 60S ribosomal subunit and translational activation of ribosomes. Shwachman-Diamond syndrome is a rare autosomal recessive disorder caused by mutations in the SBDS gene.

Sequences Of Amino Acids MGSSHHHHH SSSLVPRGSH MSIFTPTNQI RLTNVAVVRM KRAGKRFEIA
CYKNKVVGWR SGVEKDLDEV LQTHSVFVNV SKGQVAKKED LISAFGTTDDQ
TEICKQILTK GEVQVSDKER HTQLEQMFRD IATIVADKCV NPETKRPYTV
ILIERAMKDI HYSVKTNKST KQQALEVIKQ LKEKMKIERA HMRLRFILPV
NEGKLLKEKL KPLIKVIESE DYGQQLEIVC LIDPGCFREI DELIKKETKG
KGSLEVLNLK DVEEGDEKFE

Purity > 95% by SDS – PAGE.

Form Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 2mM DTT, 50mM

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NaCl, 0.1mM EDTA.

Concentration 0.5mg/ml (determined by Bradford).

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name SBDS Shwachman-Bodian-Diamond syndrome [Homo sapiens]

Synonyms SBDS; Shwachman-Bodian-Diamond syndrome; SDS; SWDS; CGI-97; FLJ10917; ribosome maturation protein SBDS; shwachman-Bodian-Diamond syndrome protein

Gene ID 51119

mRNA Refseq NM_016038

Protein Refseq NP_057122

MIM 607444

UniProt ID Q9Y3A5

Chromosome Location 7q11.21

Function microtubule binding; protein binding; rRNA binding

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