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	MGSSHHHHHH SSGLVPRGSH MSIFTPTNQI RLTNVAVVRM KRAGKRFEIA CYKNKVVGWR SGVEKDLDEV LQTHSVFVNV SKGQVAKKED LISAFGTDDQ TEICKQILTK GEVQVSDKER HTQLEQMFRD IATIVADKCV NPETKRPYTV ILIERAMKDI HYSVKTNKST KQQALEVIKQ LKEKMKIERA HMRLRFILPV NEGKKLKEKL 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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