

## SBDS Human

**Description:** SBDS produced in E.Coli is a single, non-glycosylated polypeptide chain containing 270 amino acids (1-250a.a.) and having a molecular mass of 30.9kDa. SBDS is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-279

**Synonyms:** SDS, SWDS, Shwachman-Bodian-Diamond syndrome, Ribosome Maturation protein SBDS.

For research use only.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MSIFTPTNQI RLTNVAVVRM  
KRAGKRFEIA CYKNKVVGW R SGVEKDLDEV LQTHSVFVNV SKGQVAKKED LISAFGTDDQ  
TEICKQILTK GEVQVSDKER HTQLEQMFRD IATIVADKCV NPETKRPYTV ILIERAMKDI  
HYSVKTNKST KQQALEVIKQ LKEKMKIERA HMRLRFILPV NEGKLLKEKL KPLIKVIESE  
DYGQQLEIVC LI

**Purity:** Greater than 95% as determined by SDS-PAGE.

### Formulation:

The SBDS protein solution (0.5mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 2mM DTT, 50mM NaCl, 0.1mM EDTA, and 20% glycerol.

### Usage:

NeoBiolabs 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:

SBDS is part of an extremely preserved protein family which exists from archaea to vertebrates and plants. SBDS protein functions in RNA metabolism and has a role in the biogenesis of the 60S ribosomal subunit and translational activation of ribosomes. Shwachman-Diamond syndrome is a rare autosomal recessive disorder produced by mutations in the SBDS gene.

### Storage:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

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