

Product datasheet for **TP308964L**

Shwachman Bodian Diamond syndrome (SBDS) (NM_016038) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human Shwachman-Bodian-Diamond syndrome (SBDS), 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC208964 protein sequence
Red=Cloning site **Green**=Tags(s)

MSIFTPTNQIRLTNVAVVRMKRAGKRFEIACYKNKVGWRSVGEKDLDEVLQTHSVFVNVSKGQVAKKED
LISAFGTTDDQTEICKQILTKGEVQVSDKERHTQLEQMFRDIATIVADKCVNPETKRPYTVILIERAMKDI
HYSVKTNKSTKQQALEVIKQLKEKMKIERAHMRLRFILPVNEGKLLKEKLPKLIKVESEDYGGQLEIVC
LIDPGCFREIDELIKKETKGKGSLEVLNLKDVVEEGDEKFE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 28.6 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_057122](#)

Locus ID: 51119

UniProt ID: [Q9Y3A5](#), [A0A0S2Z5I7](#)



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RefSeq Size: 1605

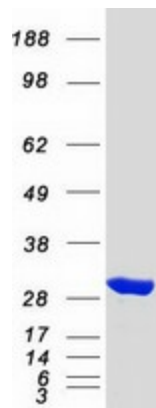
Cytogenetics: 7q11.21

RefSeq ORF: 750

Synonyms: CGI-97; SDO1; SDS; SWDS

Summary: This gene encodes a highly conserved protein that plays an essential role in ribosome biogenesis. The encoded protein interacts with elongation factor-like GTPase 1 to disassociate eukaryotic initiation factor 6 from the late cytoplasmic pre-60S ribosomal subunit allowing assembly of the 80S subunit. Mutations within this gene are associated with the autosomal recessive disorder Shwachman-Bodian-Diamond syndrome. This gene has a closely linked pseudogene that is distally located. [provided by RefSeq, Jan 2017]

Product images:



Coomassie blue staining of purified SBDS protein (Cat# [TP308964]). The protein was produced from HEK293T cells transfected with SBDS cDNA clone (Cat# [RC208964]) using MegaTran 2.0 (Cat# [TT210002]).