

## Product datasheet for PH308964

### Shwachman Bodian Diamond syndrome (SBDS) (NM\_016038) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SBDS MS Standard C13 and N15-labeled recombinant protein (NP_057122)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208964
Predicted MW:	28.8 kDa
Protein Sequence:	>RC208964 protein sequence Red=Cloning site Green=Tags(s)  MSIFPTNQIRLTNVAVVRMKRAGKRFEIACYKNKVVGWRSVVEKDLDEVLQTHSVFVNVSKGQVAKKED LISAFGTDDQTEICKQILTKGEVQVSDKERHTQLEQMFRIATIVADKCVNPETKRPYTVILIERAMKDI HYSVKTNKSTKQQALEVIKQLKEKMKIERAHMRLRFILPVNEGKLLKEKLPKLIKVIESEDYGQQLIEIVC LIDPGCFREIDELIKKETKGKGSLEVLNLKDVVEEGDEKFE  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_057122</a>
RefSeq Size:	1605
RefSeq ORF:	750
Synonyms:	CGI-97; SDO1; SDS; SWDS
Locus ID:	51119
UniProt ID:	<a href="#">Q9Y3A5</a> , <a href="#">A0A0S2Z5I7</a>

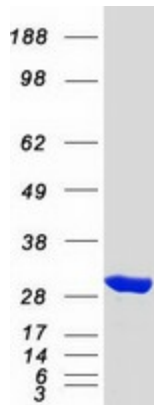


[View online »](#)

Cytogenetics: 7q11.21

**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]).