# Recombinant Mouse Sbds Protein, Myc/DDK-tagged

**Cat. No.** Sbds-5699M **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Purified recombinant protein of mouse full-length SBDS ribosome maturation factor (Sbds), with C-terminal MYC/DDK tag, expressed in HEK293T cells. |
| **Species** | Mouse |
| **Source** | HEK293 |
| **Description** | This gene encodes a protein that is necessary for ribosome function and maintaining normal levels of protein synthesis. The encoded protein may function to activate ribosomes for translation, and may be involved in cellular response to stress and DNA damage. Loss of this gene is embryonic lethal while deficiency of the encoded protein in the pancreas is associated with symptoms of Shwachman-Diamond syndrome. |
| **Molecular Mass** | 28.8 kDa |
| **Purity** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Stability** | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| **Storage** | Store at -80 centigrade after receiving vials. |
| **Concentration** | >50 μg/mL as determined by microplate BCA method |
| **Storage Buffer** | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol. |

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## GENE INFORMATION

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| **Gene Name** | Sbds SBDS ribosome maturation factor [ Mus musculus (house mouse) ] |
| **Official Symbol** | Sbds |
| **Synonyms** | Sbds; SBDS ribosome maturation factor; SDS; CGI-97; AI836084; 4733401P19Rik; ribosome maturation protein SBDS; SBDS ribosome assembly guanine nucleotide exchange factor; Shwachman-Bodian-Diamond syndrome homolog; protein 22A3; shwachman-Bodian-Diamond syndrome protein homolog |
| **Gene ID** | 66711 |
| **mRNA Refseq** | NM_023248 |
| **Protein Refseq** | NP_075737 |
| **UniProt ID** | P70122 |

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