

# Recombinant Mouse Slc25a18 Full Length Transmembrane protein, His-tagged

**Cat. No.** Slc25a18-0184M    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Slc25a18 protein(Q9DB41)(1-320aa), fused with N-terminal His tag, was expressed in in vitro E. coli expression system.                                                                                                                                                                                                                                          |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 1-320aa                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>                                                                                                                                  |
| <b>Molecular Mass</b>   | 35.7 kDa                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | <p>MIACRMSSQDLSISAKLINGGIAGLVGVTCVFPIDLAKTRLQNQQGKDVYRGMTDCL</p> <p>MKTARAEGFLGMYRGA AVNLTLVTPEKAIKLAANDFLRQLLMQDGTQRNLKMEMLA</p> <p>GCGAGICQVVITCPMEMLKIQLDAGRLAVCHQASASATPTSRPYSTGSTSTHRRP</p> <p>SATLIARELLRTQGLSGLYRGLGATLLRDIPFSIIFPLFANLNQLGVSELTGKASFTHS</p> <p>FVAGCTAGSVA AVAVTPLDVLKTRIQTLKKGLGEDTYSGVTD CARKLWTQEGPAAF</p> <p>MKGAGCRALVIAPLFGIAQGVYFIGIGERILKCFE-</p> |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                       |

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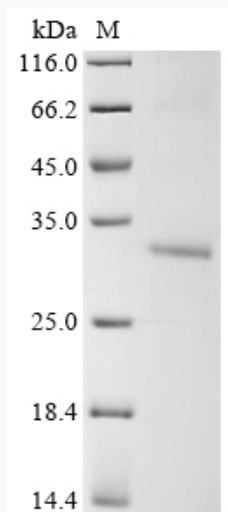
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|                         |                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                      |
| <b>Reconstitution</b>   | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.           |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                     |
| <b>Gene Name</b>        | Slc25a18 solute carrier family 25 (mitochondrial carrier), member 18 [ Mus musculus ]                                                                                                                               |
| <b>Official Symbol</b>  | Slc25a18                                                                                                                                                                                                            |
| <b>Synonyms</b>         | SLC25A18; solute carrier family 25 (mitochondrial carrier), member 18; mitochondrial glutamate carrier 2; GC-2; glutamate/H(+) symporter 2; solute carrier family 25 member 18; AW125787; 1500015I14Rik; MGC151205; |
| <b>Gene ID</b>          | 71803                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>      | NM_001081048                                                                                                                                                                                                        |
| <b>Protein Refseq</b>   | NP_001074517                                                                                                                                                                                                        |

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**SDS-PAGE**

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