

## Product datasheet for TP504636

### Sfxn3 (NM\_053197) Mouse Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Purified recombinant protein of Mouse sideroflexin 3 (Sfxn3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species:                              | Mouse   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >MR204636 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)  |

MGDLPLNINIQEPRWDQSTFLGRARHFFVTDPNLLLSGQLEASRNIVQNYRAGVATPGLTEDQLWRA  
KYVYDSAFHPDTGEKVVLIGRMSAQVPMNMTITGCMLTFYRKTPVFWQWVNQSFNAIVNYSNRSGDAP  
ITVQQLGTAYVSATTGAVATALGLKSLTKHLPPLVGRFVPFAAVAAANCINIPLMRQRELQVGIPVTDEA  
GQRLGHSVTAAKQGIFQVVISRIGMAIPAMAIPPVIMNTLEKKDFLKRPPWLGAPLQVGLVGFCLVFATP  
LCCALFPQRSSIHVTRLEPELRAQIQANPSIDVWYVYKGL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

|                |  |
|----------------|--|
| Tag:           | C-MYC/DDK  |
| Predicted MW:  | 35.4 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   |
| 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 after receiving vials.  |
| 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:        | <a href="#">NP_444427</a>  |
| Locus ID:      | 94280  |
| UniProt ID:    | <a href="#">Q91V61</a>   |



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RefSeq Size: 2974

Cytogenetics: 19 C3

RefSeq ORF: 966

**Summary:** Mitochondrial serine transporter that mediates transport of serine into mitochondria, an important step of the one-carbon metabolism pathway. Mitochondrial serine is converted to glycine and formate, which then exits to the cytosol where it is used to generate the charged folates that serve as one-carbon donors.[UniProtKB/Swiss-Prot Function]