

## Product datasheet for **TP300974M**

### SFXN3 (NM\_030971) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human sideroflexin 3 (SFXN3), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC200974 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MESKMGELPLDINIQEPRWDQSTFLGRARHFFVTDPNLLLGAQLEASRNIVQNYRAGVWTPGITEDQ  
LWRKYVYDSAFHPDTGEKVVLIGRMSAQVPMNMTITGCMLTFYRKTPTVFWQWVNQSFNAIVNYSNRS  
GDTPTVRQLGTAYVSATTGAVATALGLKSLTKHLPPLVGRFVFPFAAVAAANCINIPLMRQRELQVGIPV  
ADEAGQRLGYSVTAQKQGFQVVISRICMAIPAMAIPPLIMDTLEKKDFLKRPPWLGAQLVGLVGFCLV  
FATPLCCALFPQKSSIHISNLEPELRAQIHEQNPSVEVVYYNKGL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 35.8 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\\_112233](#)

**Locus ID:** 81855



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UniProt ID: [Q9BWM7](#), [A0A1P0AYU5](#)

RefSeq Size: 3129

Cytogenetics: 10q24.31

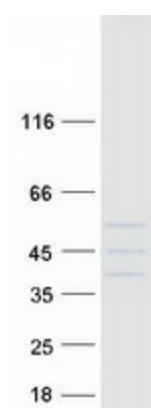
RefSeq ORF: 975

Synonyms: BA108L7.2; SFX3; SLC56A3

**Summary:** Mitochondrial serine transporter that mediates transport of serine into mitochondria, an important step of the one-carbon metabolism pathway (PubMed:30442778). 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 (PubMed:30442778). [UniProtKB/Swiss-Prot Function]

**Protein Families:** Transmembrane

### Product images:



Coomassie blue staining of purified SFXN3 protein (Cat# [TP300974]). The protein was produced from HEK293T cells transfected with SFXN3 cDNA clone (Cat# [RC200974]) using MegaTran 2.0 (Cat# [TT210002]).