

Product datasheet for **TP300974**

SFXN3 (NM_030971) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human sideroflexin 3 (SFXN3), 20 µg

Species: Human

Expression Host: HEK293T

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

MESKMGELPLDINIQEPRWDQSTFLGRARHFFVTDPNLLLGAQLEASRNIVQNYRAGVWTPGITEDQ
LWRKYVYDSAFHPDTGEKVVLIGRMSAQVPMNMTITGCMLTFYRKTPTVFWQWVNQSFNAIVNYSNRS
GDTPTVRQLGTAYVSATTGAVATALGLKSLTKHLPPLVGRFVFPFAAVAAANCINIPLMRQRELQVGIPV
ADEAGQRLGYSVTAQKQGFQVVISRICMAIPAMAIPPLIMDTLEKKDFLKRPPWLGAQLQVGLVGFCLV
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

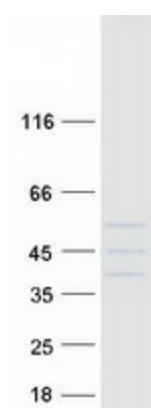
RefSeq ORF: 975

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]).