

Product datasheet for **TP300974L**

SFXN3 (NM_030971) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human sideroflexin 3 (SFXN3), 1 mg
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



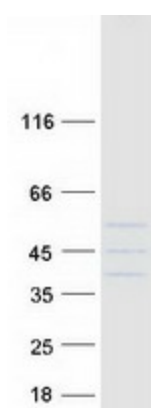
[View online »](#)

UniProt ID: [Q9BWM7](#)
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]).