

Product datasheet for **TP304045L**

14-3-3 sigma (SFN) (NM_006142) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human stratifin (SFN), 1 mg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC204045 protein sequence
Red=Cloning site **Green**=Tags(s)

MERASLIQKAKLAEQAERYEDMAAFMKGAVEKGEELSCEERNLLSVAYKNVGGQRAAWRVLSSIEQKSN
EEGSEEKGPEVREYREKRVETELQGVCDTVLGLLDLSHLIKEAGDAESRVFYLKMKGDYRYLAEVATGDDK
KRIIDSARSAYQEAMDISKKEMPPTNPIRLGLALNFSVFHYEIANSPPEAISLAKTTTFDEAMADLHTLSE
DSYKDSTLIMQLLRDNLTLWTADNAGEEGGEAPQEPQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 27.6 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_006133](#)

Locus ID: 2810

UniProt ID: [P31947](#)



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RefSeq Size: 1336

Cytogenetics: 1p36.11

RefSeq ORF: 744

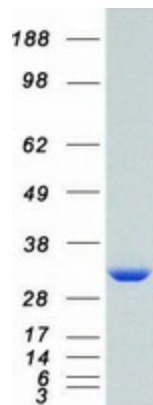
Synonyms: YWHAS

Summary: This gene encodes a cell cycle checkpoint protein. The encoded protein binds to translation and initiation factors and functions as a regulator of mitotic translation. In response to DNA damage this protein plays a role in preventing DNA errors during mitosis. [provided by RefSeq, Aug 2017]

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Cell cycle, p53 signaling pathway

Product images:



Coomassie blue staining of purified SFN protein (Cat# [TP304045]). The protein was produced from HEK293T cells transfected with SFN cDNA clone (Cat# [RC204045]) using MegaTran 2.0 (Cat# [TT210002]).