

Recombinant Full Length Human SFPQ Protein, C-Flag-tagged

Cat. No. SFPQ-789HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SFPQ Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Enables DNA binding activity; histone deacetylase binding activity; and protein homodimerization activity. Involved in several processes, including alternative mRNA splicing, via spliceosome; positive regulation of oxidative stress-induced intrinsic apoptotic signaling pathway; and regulation of transcription by RNA polymerase II. Acts upstream of or within double-strand break repair via homologous recombination. Located in chromatin; nuclear matrix; and paraspeckles.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	76.1 kDa
AA Sequence	MSRDRFRSRGGGGGGGFHRRGGGGGGRGGLHDFRSPPPGMGLNQNRGPMGPGPG QSGPKPIPPPPPHQQQQ QPPPQQPPPQPPPHQPPHPQPHQQQPPPPPPQD SSKPVVAQGPAPGVGSAPPASSAPPATPPTSG APPGSGPGPTPTPPAVTSA PPGAPPPTPPSSGVPTTPPQAGGPPPPPAAVPGPGPGPKQGP GPGGPKGG KMP GGPKPGGGPGLSTPGGHPKPPHRGGGEPRGGRQHHPYHQHHQGPPPGGPG GRSEKISDSEGFKA NLSLLRRPGKTYTQRCRLFVGNLPADITEDEFKRLFAKYGE PGEVFINKGKGFGFIKLESRALAEIAKA ELDDTPMRGRQLRVRFATHAAALSVRNLS

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PYVSNELLEEAQFSQFGPIERAVVIVDDRGRSTGKGIVEFAS KPAARKAFERCSEGVF
 LLTTTPRPVIVEPLEQLDDEDGLPEKLAQKNPMYQKERETPPRFAQHGTFEYEQ SQ
 RWKSLDEMEKQQREQVEKNMKDAKDKLESEMEDAYHEHQANLLRQDLMRQEEL
 RRMEELHNQEMQKR KEMQLRQEEERRRREEEMMIRQREMEEQMRRQREESYSR
 MGYMDPRERDMRMGGGGAMNMGDPYGGGGQK FPPLGGGGGIGYEANPGVPPA
 TMSGSMGSDMRTERFGQGAGPVGGQGPRGMGPOTPAGYGRGREEYEG
 PNKKPRFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transcription Factors
Full Length	Full L.

GENE INFORMATION

Gene Name	SFPQ splicing factor proline and glutamine rich [Homo sapiens (human)]
Official Symbol	SFPQ
Synonyms	PSF; POMP100; PPP1R140

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Gene ID	6421
mRNA Refseq	NM_005066.3
Protein Refseq	NP_005057.1
MIM	605199
UniProt ID	P23246



Coomassie blue staining of purified SFPQ protein.