

Recombinant Human SFTPC protein, His/GST-tagged

Cat. No. SFTPC-3850H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SFTPC(Phe24~Ile197) fused with His/GST tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Phe24~Ile197
Form	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Molecular Mass	51.0kDa
AA Sequence	MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD GSTSGSGHHH HHHSAGLVPR GSTAIGMKET AAAKFERQHM DSPDLGTGGG SGIEGRGSMG YRGSEF-FGIPCCP VHLKRL LIVV VVVVLIVVVI VGALLMGLHM SQKHTEMVLE MSIGAPEAAQQ RLALSEHLVT TATFSIGSTG LVVYDYQQLL IAYKPAPGTC CYIMKIAPES IPSLEALNRK VHNFQMECSL QAKPAVPTSK LGQAEGRDAG SAPSGGDPAF LGMAVNTLCG EVPLYYI
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	> 95%
Applications	SDS-PAGE; WB; ELISA; IP.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	SFTPC surfactant protein C [Homo sapiens]
Official Symbol	SFTPC
Synonyms	SFTPC; surfactant protein C; SFTP2, surfactant, pulmonary associated protein C; pulmonary surfactant-associated protein C; PSP C; SMDP2; SP C; SP5; pulmonary surfactant apoprotein-2 SP-C; pulmonary surfactant-associated proteolipid SPL(Val); SP-C; PSP-C; SFTP2;
Gene ID	6440
mRNA Refseq	NM_001172357
Protein Refseq	NP_001165828
MIM	178620
UniProt ID	P11686
Chromosome Location	8p21

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Function

protein homodimerization activity;

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