

Recombinant Bovine SFTPB Protein (23-187 aa), His-Myc-tagged

Cat. No. SFTPB-2286B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Bovine SFTPB Protein (23-187 aa) is produced by E. coli expression system. This protein is fused with a 10xHis tag at the N-terminal and a Myc tag at the C-terminal. Research Area: Cell Biology. Protein Description: Partial.
Species	Bovine
Source	E.coli
ProteinLength	23-187 aa
Description	Pulmonary surfactant-associated proteins promote alveolar stability by lowering the surface tension at the air-liquid interface in the peripheral air spaces. SP-B increases the collapse pressure of palmitic acid to nearly 70 millinewtons per meter.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	23.5 kDa
AA Sequence	AAITYSLACAQGPEFWCQSLEQALQCRALGHCLQE VWGHVEADDLCQECENISRLL TKMAKEAIFQDSVRKFLEQEC DVLPLKLLAPLCRHLLDTYFPLIIEHFQSHMNP KFCIQ HVGLCKPRHPEPGKGPEPWG PLLDKLALPLLPGVPQAKPGPQTQDLSEQL
Purity	> 90% as determined by SDS-PAGE.

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

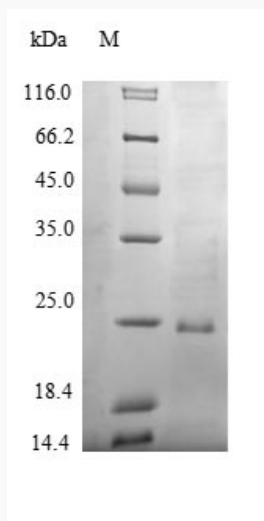
GENE INFORMATION

Gene Name	SFTPb surfactant protein B [Bos taurus (cattle)]
Official Symbol	SFTPb
Synonyms	SFTPb;
Gene ID	507398
mRNA Refseq	NM_001075311
Protein Refseq	NP_001068779
UniProt ID	P15781

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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