

Recombinant Human SFTPA2 protein, GST-tagged

Cat. No. SFTPA2-15H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SFTPA2(1 a.a. - 248 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-248 a.a.
Description	This gene is one of several genes encoding pulmonary-surfactant associated proteins (SFTPA) located on chromosome 10. Mutations in this gene and a highly similar gene located nearby, which affect the highly conserved carbohydrate recognition domain, are associated with idiopathic pulmonary fibrosis. The current version of the assembly displays only a single centromeric SFTPA gene pair rather than the two gene pairs shown in the previous assembly which were thought to have resulted from a duplication.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	53.68 kDa
AA Sequence	MWLCPLALNLILMAASGAACEVKDVCVGVSPGIPGTPGSHGLPGRDGRDGVKGD PPDPMGPPGETPCPPGNNGL PGAPGVPPERGERKEAGERGPPGLPAHLDEELQA TLHDFRHHQLQTRGALSLQGSIMTVGEKVFSSNGQSITFDA IQEACARAGGRIAVPR NPEENEAIASFVKKYNTYAYVGLTEGPSPGDFRYS DGTPVNYTNWYRGEPAGRK

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EQCV EMYTDGQWNDNRNCLYSRLTICDF

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

SFTPA2 surfactant protein A2 [Homo sapiens]

Official Symbol

SFTPA2

Synonyms

PSAP; PSPA; SP-A; SPA2; PSP-A; SFTP1; SP-2A; SPAII; COLEC5; SFTPA2B; SP-2A beta; SP-2A gamma; SP-A2 alpha; SP-A2 delta; alveolar proteinosis protein; collectin 5; surfactant, pulmonary-associated protein A2A

Gene ID

729238

mRNA Refseq

NM_001098668

Protein Refseq

NP_001092138

MIM

178642

UniProt ID

Q8IWL1

**Chromosome
Location**

10q22.3

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Pathway	ABC transporter disorders, organism-specific biosystem; Diseases associated with surfactant metabolism, organism-specific biosystem
Function	carbohydrate binding

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