

Recombinant Human Pulmonary surfactant-associated protein A2(SFTPA2)

Catalog No: #AP78257

Orders: order@signalwayantibody.com

Package Size: #AP78257-1 20ug #AP78257-2 100ug

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Human Pulmonary surfactant-associated protein A2(SFTPA2)
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:141-248aa Sequence Info: partial
Other Names	Collectin-5
Accession No.	Q8IWL1
Uniprot	Q8IWL1
GeneID	729238;
Calculated MW	30.3 kDa
Tag Info	N-terminal 10xHis-B2M-tagged and C-terminal Myc-tagged
Target Sequence	SNGQSITFDAIQEACARAGGRIAVPRNPEENEAIASFVKKYNTYAYVGLTEGSPGDFRYSDGTPVNYTNWYR GEPAGRGKEQCVEMYTDGQWDRNCLYSRLTICEF
Formulation	10 mM Tris-HCl, 1 mM EDTA, pH 8.0, 50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

In presence of calcium ions, it binds to surfactant phospholipids and contributes to lower the surface tension at the air-liquid interface in the alveoli of the mammalian lung and is essential for normal respiration.

References

“Isolation and characterization of cDNA clones for the 35-KDA pulmonary surfactant-associated protein.” Floros J., Steinbrink R., Jacobs K., Phelps D., Kriz R., Recny M., Sultzman L., Jones S., Taeusch H.W., Frank H.A., Fritsch E.F.J. Biol. Chem. 261:9029-9033(1986)

Research Topic:Others

Note: This product is for in vitro research use only