

Active Recombinant Mouse Secretoglobin, Family 3A, Member 1

Cat. No. Scgb3a1-402M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinantmouse Scgb3a1 protein was expressed in E. coli. Phe22-Gly104.
Species	Mouse
Source	E.coli
ProteinLength	22-104 a.a.
Description	Scgb3a1 is an 8 kDa secretedprotein of the secretoglobin superfamily. Scgb3a1 is expressed in bronchial epithelialand secretory Clara cells, mammary epithelial cells (particularly duringpregnancy), salivary glands, and the prostate. It is upregulated in Claracells by IL4, IL13, Oncostatin M, EGF, and TGFα and downregulated by IFNα, β,and γ.
Form	Lyophilized from a0.2 μm filtered solution in PBS.
N-terminal Sequence	Phe22
Molecular Weight	8.4 kDa
Activity	Measured by theability of the immobilized protein to support the adhesion of the A549 humanlung carcinoma cell line. The ED50 for this effect is typically0.5-2.5 μg/mL.
Endotoxin Level	<1.0 EU per 1 μgof the protein by the LAL method.

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Purity	>95%,by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 250µg/mL in PBS.
Storage	Use amannual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to-70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Scgb3a1secretoglobin, family 3A, member 1 [<i>Mus musculus</i>]
Official Symbol	Scgb3a1
Synonyms	Scgb3a1; secretoglobin,family 3A, member 1; HIN-1; Pnsp2; UGRP2; LuLeu2; UGRP2A;Utgrp2; 1110030K16Rik; OTTMUSP00000005722; OTTMUSP00000005723; secretoglobinfamily 3A member 1; pnSP-2; cytokine HIN-1; high in normal 1; pneumosecretory protein 2; uteroglobin related protein 2; uteroglobin-relatedprotein 2; family 3A member 1 secretoglobin; Pnsp-2; Hin1; Ugrp2
Gene ID	68662
mRNA Refseq	NM_054037
Protein Refseq	NP_473378
UniProt ID	Q920D7
Chromosome Location	11

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Function	Cytokine activity;molecular function
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