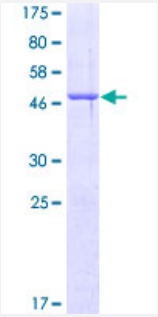
Full-Length

PLUNC (Human) Recombinant Protein (P01)

Catalog # H00051297-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PLUNC full-length ORF (AAH12549.1, 1 a.a. - 256 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MFQTGGLIVFYGLLAQTMAQFGGLPVPLDQTLPLNVNPALPLSPTGLAGSLTNALSNGLLSGGLLG ILENLPLLDILKPGGGTSGGLLGGLLGKVTSVIPGLNNIIDIKVTDPQLLELGLVQSPDGHRLYVTIPLG IKLQVNTPLVGASLLRLAVKLDITAEILAVRDKQERIHLVLGDCTHSPGSLQISLLDGLGPLPIQGLLD SLTGILNKVLPELVQGNVCPLVNEVLRGLDITLVHDIVNMLIHGLQFVIKV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	53.90
Interspecies Antigen Sequence	Mouse (66); Rat (67)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

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

Applications

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

Gene Info — PLUNC

Entrez GeneID	51297
GeneBank Accession#	BC012549
Protein Accession#	AAH12549.1
Gene Name	PLUNC
Gene Alias	LPLUNC3, LUNX, NASG, SPLUNC1, SPURT, bA49G10.5
Gene Description	palate, lung and nasal epithelium associated
Omim ID	607412
Gene Ontology	Hyperlink
Gene Summary	This gene is the human homolog of murine plunc, and like the mouse gene, is specifically expressed in the upper airways and nasopharyngeal regions. The exact biological function of this gene is not known, however, it has been suggested to be involved in inflammatory responses to irritants in the upper airways. It may also serve as a potential molecular marker for detection of micrometastasis in non-small-cell lung cancer. Multiple transcript variants resulting from alternative splicing in the 3' UTR have been detected, but the full-length nature of only two is known. [provided by RefSeq
Other Designations	OTTHUMP00000030625|OTTHUMP00000030626|OTTHUMP00000030627|ligand-binding protein RYA3|nasopharyngeal carcinoma-related protein|secretory protein in upper respiratory tracts|tracheal epithelium enriched protein

Publication Reference

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- Identification of Lipocalin and Apolipoprotein A1 as Biomarkers of Chronic Obstructive Pulmonary Disease.

  Nicholas BL, Skipp P, Barton S, Singh D, Bagmane D, Mould R, Angco G, Ward J, Guha-Niyogi B, Wilson S, Howarth P, Davies DE, Rennard S, O'Connor CD, Djukanovic R.

  American Journal of Respiratory and Critical Care Medicine 2010 May; 181(10):1049.

  Application: ELISA, WB-Re, Human, Sputum samples

Disease

- Carcinoma
- Ductus Arteriosus
- Genetic Predisposition to Disease
- Infant
- Nasopharyngeal Neoplasms
- Rhinitis

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