

Product datasheet for **TP503753**

Bpifa1 (NM_011126) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse BPI fold containing family A, member 1 (Bpifa1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203753 protein sequence Red =Cloning site Green =Tags(s)

MFLVGSVLVLCGLLAHSTAQLAGLPLPLGQGPPLPLNQGPPLPLNQGQLLPLAQGLPLAVSPALPSNPTD
LLAGKFTDALSGLLSGLLGILENIPLLDVIKSGGGNSNGLVGGLLGKLTSSVPLLNILDIKITDPQL
LELGLVQSPDGHRLYVTIPLGLTLNVNMPVWGSLLQLAVKLNITAEVLAVKDNQGRIHLVLDCTHSPGS
LKISLLNGVTPVQSFLDNLTGILTKVLELIQGVKCVPLVNGILSGLDVTLVHNIPELLIHLGLQFVIKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	28.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_035256
Locus ID:	18843
UniProt ID:	P97361
RefSeq Size:	1109



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Cytogenetics: 2 H1

RefSeq ORF: 837

Synonyms: LUNX; NASG; Plunc; SPLUNC1; SPURT

Summary: Lipid-binding protein which shows high specificity for the surfactant phospholipid dipalmitoylphosphatidylcholine (DPPC) (By similarity). Plays a role in the innate immune responses of the upper airways (PubMed:23499554). Reduces the surface tension in secretions from airway epithelia and inhibits the formation of biofilm by pathogenic Gram-negative bacteria, such as *P.aeruginosa* and *K.pneumoniae* (PubMed:23499554). Negatively regulates proteolytic cleavage of SCNN1G, an event that is required for activation of the epithelial sodium channel (ENaC), and thereby contributes to airway surface liquid homeostasis and proper clearance of mucus (By similarity). Plays a role in the airway inflammatory response after exposure to irritants (By similarity). May attract macrophages and neutrophils (By similarity).[UniProtKB/Swiss-Prot Function]