

Product datasheet for PH313322

Plunc (BPIFA1) (NM_016583) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PLUNC MS Standard C13 and N15-labeled recombinant protein (NP_057667)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213322
Predicted MW:	26.71 kDa
Protein Sequence:	>RC213322 representing NM_016583 Red=Cloning site Green=Tags(s) MFQTGGLIVFYGLLAQTMAQFGGLPVPLDQTLPLNVPALPLSPTGLAGSLTNALSNGLLSGGLLGILEN LPLLDILKPGGGTSGLLGGLLGKVTSVIPGLNNIIDIKVTPQLLELGLVQSPDGHRLYVTIPLGIKIQ VNTPLVGASLLRLAVKLDITAEILAVRDQKERIHLVLDGCTHSPGSLQISLLDGLGPLPIQGLLDSLGTI LNKVLPELVQGNVCPVNEVLRGLDITLVHDIVNMLIHGLQFVIKV TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_057667
RefSeq Size:	1049
RefSeq ORF:	768
Synonyms:	bA49G10.5; LUNX; NASG; PLUNC; SPLUNC1; SPURT
Locus ID:	51297
UniProt ID:	Q9NP55



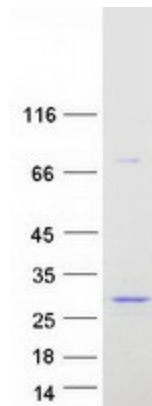
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Cytogenetics: 20q11.21

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 encoded antimicrobial protein displays antibacterial activity against Gram-negative bacteria. It is thought to be involved in inflammatory responses to irritants in the upper airways and 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 three are known. [provided by RefSeq, Aug 2014]

Protein Families: Secreted Protein

Product images:



Coomassie blue staining of purified BPIFA1 protein (Cat# [TP313322]). The protein was produced from HEK293T cells transfected with BPIFA1 cDNA clone (Cat# [RC213322]) using MegaTran 2.0 (Cat# [TT210002]).