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Product datasheet for TP303060M

Plunc (BPIFA1) (NM_130852) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human palate, lung and nasal epithelium associated (PLUNC), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203060 protein sequence Red=Cloning site Green=Tags(s) MFQTGGLIVFYGLLAQTMAQFGGLPVPLDQTLPLNVNPALPLSPTGLAGSLTNALSNGLLSGGLLGILEN LPLLDILKPGGGTSGGLLGGLLGKVTSVIPGLNNIIDIKVTDPQLLELGLVQSPDGHRLYVTIPLGIKLQ VNTPLVGASLLRLAVKLDITAEILAVRDKQERIHLVLGDCTHSPGSLQISLLDGLGPLPIQGLLDSLTGI LNKVLPELVQGNVCPLVNEVLRGLDITLVHDIVNMLIHGLQFVIKV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	24.6 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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_570913
Locus ID:	51297

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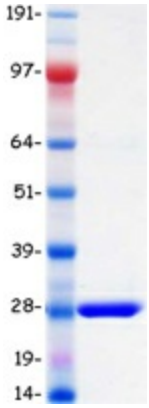
UniProt ID:	Q9NP55
RefSeq Size:	1090
Cytogenetics:	20q11.21
RefSeq ORF:	768
Synonyms:	bA49G10.5; LUNX; NASG; PLUNC; SPLUNC1; SPURT
Summary:	This gene is the human homolog of murine plunc, and like the mouse gene, is specifically expressed in the upper airways and nasopharyngeal regions. The encoded antimicrobial 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# [TP303060]). The protein was produced from HEK293T cells transfected with BPIFA1 cDNA clone (Cat# [RC203060]) using MegaTran 2.0 (Cat# [TT210002]).