

Product datasheet for PH322170

ROPN1B (NM_001012337) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ROPN1B MS Standard C13 and N15-labeled recombinant protein (NP_001012337)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222170
Predicted MW:	23.8 kDa
Protein Sequence:	>RC222170 representing NM_001012337 Red=Cloning site Green=Tags(s) MAQTDKPTCIPPELPKMLKEFAKAAIRAQPQDLIQWGADYFEALSRGETPPVRERSERVALCNWAELTPE LLKILHSQVAGRLIIRAEELAQMWKVVNLPDLEFNSVMNVGRFTEEIEWLKFLALACSGVITITKTKI VCEVLSCDHNGGLPRIPFSTFQFLYTYIAEVDGEICASHVSRMLNYIEQEVIGPDGLITVNDFTQNPRVW LE 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_001012337
RefSeq Size:	1018
RefSeq ORF:	636
Locus ID:	152015
UniProt ID:	Q9BZX4 , A0A140VKG6
Cytogenetics:	3q21.2

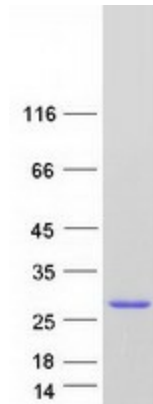


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Summary: Important for male fertility. With ROPN1L, involved in fibrous sheath integrity and sperm motility, plays a role in PKA-dependent signaling processes required for spermatozoa capacitation.[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified ROPN1B protein (Cat# [TP322170]). The protein was produced from HEK293T cells transfected with ROPN1B cDNA clone (Cat# [RC222170]) using MegaTran 2.0 (Cat# [TT210002]).