

Product datasheet for PH306223

EXDL1 (EXD1) (NM_152596) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	EXD1 MS Standard C13 and N15-labeled recombinant protein (NP_689809)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206223
Predicted MW:	58.3 kDa
Protein Sequence:	>RC206223 protein sequence Red=Cloning site Green=Tags(s)

MEDSEFLAYVELLDEVEQGSVRKASSVSLHAERTWMEKMKVEDLNVCEPASPAPAPATSLNDLKYSPEEEEEVTYTVINQFQQKFGAAILHIKKQNVLSVAAEGANVCRHGKLCWLQVATNCRVYLFDFLLGSRAFHNGLQMILEDKRIKVIHDCRWLSDCLSHQYGILLNNVFDTQVADVLFQSMETGGYLPNCITTLQESLIKHLQVAPKYL SFLEKRQKLIQENPEVWFIRPVSPSLLKILALEATYLLPLRLALDEMMSDLTTLVDGYLNTYREGSADRLGGTEPTCMEPEELLQLKDFQKQRREKAAREYRVNAQGLLIRTVLQPKKLV TETAGKEEKVKGFLFGKNFRIDKAPSF TSQDFHGDVNLKKEESLNKQATNPQHLPTTEEGETSEDSSNKLICTKSKGSE DQRITQKEHFMTPKHEFQASLSLKEETEQLLMVENKEDLCKTKQAVSMSSFPQETRVSPSDTFYPIRKTVVSTLPPCPALEKIDSWISPFNLNP

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	<u>NP_689809</u>
RefSeq Size:	3009
RefSeq ORF:	1542

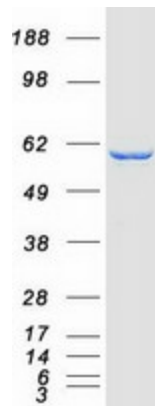


[View online »](#)

Synonyms: EXDL1
Locus ID: 161829
UniProt ID: [Q8NHP7](#)
Cytogenetics: 15q15.1

Summary: RNA-binding component of the PET complex, a multiprotein complex required for the processing of piRNAs during spermatogenesis. The piRNA metabolic process mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and governs the methylation and subsequent repression of transposable elements, preventing their mobilization, which is essential for the germline integrity (By similarity). The PET complex is required during the secondary piRNAs metabolic process for the PIWIL2 slicing-triggered loading of PIWIL4 piRNAs. In the PET complex, EXD1 probably acts as an RNA adapter. EXD1 is an inactive exonuclease (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified EXD1 protein (Cat# [TP306223]). The protein was produced from HEK293T cells transfected with EXD1 cDNA clone (Cat# [RC206223]) using MegaTran 2.0 (Cat# [TT210002]).