

Product datasheet for PH309141

Munc 13 4 (UNC13D) (NM_199242) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	UNC13D MS Standard C13 and N15-labeled recombinant protein (NP_954712)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209141
Predicted MW:	123.3 kDa
Protein Sequence:	>RC209141 protein sequence Red=Cloning site Green=Tags(s)

MATLLSHPQQRPPFLRQAIRRRRVRDLQDPPPMQMAPEIQPPSHHF SPEQRALLYEDALYTVLHRLGHP
EPNHVTEASELLRYLQEAHVVEPEEHQQTLLQVRLELEKPIFCCLKATVKQAKGILGKDVSGFSDPYCLLGI
EQGVGVPGGSPGSRHRQKAVVRHTIPEEETHRTQVITQTLNVPVWDETFILEFEDITNASFHLDMWDLDTV
ESVRQKLGELTDLHGLRRIFKEARKDKGQDDFLGNVLRQLDLCREDQWYPLEPRTETYPDRGQCHLQF
QLIHKRRATSASRSQPSYTVHLHLLQQLVSHEVTQHEAGSTSWDGSLSQAATVFLHATQKDLSDFHQS
MAQWLAYSRLYQSLEFPSSCLLHPITSIYQWIQGRKAEQQEELAAFSLLTYGLSLIRRFRSVFPLS
VSDSPARLQSLLRVLMCKMKAFGELCPNTAPLPQLVTEALQTGTTEWFHLKQHHQPMVQGIPEAGKA
LLGLVQDVIQDLHQCQRTWDKIFHNTLKIHLFSMAFREQLWLVAKRVDHTTVVGDVVSPMGESEFLQLY
ISLKELCQLRMSSSERDGLALDNFHRWFQPAIPSWLQKTYNEALARVQRAVQMDLVLPLGELTKHSTSA
VDLSTCFQAISHTARQLDWPDEEAFMITVKFVEDTCRLALVYCSLIKARARELSSGQKQDQQAANMLCV
VYNDMEQLRLVIGKLPALQAWALEQRVAVLEGGQLQNTLHAQLQSALAGLGHEIRTVGVRTLAEQLEVG
IAKHIQKLVGVRESVLPEDAIIPLMKFLEVELCYMNTNLVQENFSSLLTLLWHTLTVLVEAAASQRSSS
LASNRLKIALQNLICFHAEGCGLPPKALHTATFQALQRDLELQAASSRELIRKYFCSRIQQQAETTSEE
LGAVTVKASYRASEQKLRVELLSASSLLPLDSNGSSDPFVQLTLEPRHEFPELAARETQKHKKDLHPLFD
ETFEFLVPAEPCRKAGACLLLVLDYDTLGADDEGEAFLPLREVPGLSGSEEPGEVPTRLPLTYPAPN
GDPILQLLEGRKGDREAQVFVRLRRHRAKQASQHALRPAP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

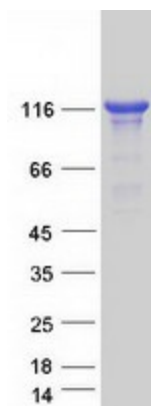
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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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_954712
RefSeq Size:	4406
RefSeq ORF:	3270
Synonyms:	FHL3; HLH3; HPLH3; Munc13-4
Locus ID:	201294
UniProt ID:	Q70J99
Cytogenetics:	17q25.1
Summary:	This gene encodes a protein that is a member of the UNC13 family, containing similar domain structure as other family members but lacking an N-terminal phorbol ester-binding C1 domain present in other Munc13 proteins. The protein appears to play a role in vesicle maturation during exocytosis and is involved in regulation of cytolytic granules secretion. Mutations in this gene are associated with familial hemophagocytic lymphohistiocytosis type 3, a genetically heterogeneous, rare autosomal recessive disorder. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified UNC13D protein (Cat# [TP309141]). The protein was produced from HEK293T cells transfected with UNC13D cDNA clone (Cat# [RC209141]) using MegaTran 2.0 (Cat# [TT210002]).