

Product datasheet for PH302591

C16orf57 (USB1) (NM_024598) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	C16orf57 MS Standard C13 and N15-labeled recombinant protein (NP_078874)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202591
Predicted MW:	30.3 kDa
Protein Sequence:	>RC202591 protein sequence Red=Cloning site Green=Tags(s) MSAAPLVGYSSSGSEDESEDGMRTRPGDGSRRGQSPLPRQRFVVPDSVLNMFPGTEEGPEDDSTKHGGR VRTFPHERGNWATHVYVPYEAKKEEFLDLLVLLPHAQTYVPRLVRMKVFHLSLSQSVVLRHHWILPFVQA LKARMTSFHRFFFTANQVKIYTNQEKTRTFIGLEVTSGHAQFLDLVSEVDRVMEEFNLTTFYQDPSFHLS LAWCVGDARLQLEGQCLQELQAIVDGFEDAEVLLRVHTEQVRCKSGNKFFSMLK 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_078874
RefSeq Size:	2287
RefSeq ORF:	795
Synonyms:	C16orf57; hUsb1; HVSL1; Mpn1; PN
Locus ID:	79650
UniProt ID:	Q9BQ65 , A0A024R6V6

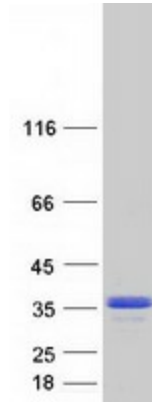


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Cytogenetics: 16q21

Summary: This gene encodes a protein with several conserved domains, however, its exact function is not known. Mutations in this gene are associated with poikiloderma with neutropenia (PN), which shows phenotypic overlap with Rothmund-Thomson syndrome (RTS) caused by mutations in the RECQL4 gene. It is believed that this gene product interacts with RECQL4 protein via SMAD4 proteins, explaining the partial clinical overlap between PN and RTS. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Mar 2011]

Product images:



Coomassie blue staining of purified USB1 protein (Cat# [TP302591]). The protein was produced from HEK293T cells transfected with USB1 cDNA clone (Cat# [RC202591]) using MegaTran 2.0 (Cat# [TT210002]).