Recombinant Human USB1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. USB1-5640H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	C16orf57 MS Standard C13 and N15-labeled recombinant protein (NP_078874) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	30.3 kDa
AA Sequence	MSAAPLVGYSSSGSEDESEDGMRTRPGDGSHRRGQSPLPRQRFPVPDSVLNMFP GTEEGPEDDSTKHGGRVRTFPHERGNWATHVYVPYEAKEEFLDLLDVLLPHAQTYV PRLVRMKVFHLSLSQSVVLRHHWILPFVQALKARMTSFHRFFFTANQVKIYTNQEKT RTFIGLEVTSGHAQFLDLVSEVDRVMEEFNLTTFYQDPSFHLSLAWCVGDARLQLE GQCLQELQAIVDGFEDAEVLLRVHTEQVRCKSGNKFFSMPLKTRTRPLEQKLISEED LAANDILDYKDDDDKV

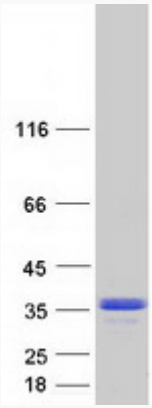
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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	USB1 U6 snRNA biogenesis phosphodiesterase 1 [Homo sapiens (human)]
Official Symbol	USB1
Synonyms	USB1; U6 snRNA biogenesis phosphodiesterase 1; PN; Mpn1; HVSL1; hUsb1; C16orf57; U6 snRNA phosphodiesterase; HVSL motif containing 1; U six biogenesis 1; U6 snRNA biogenesis 1; UPF0406 protein C16orf57; mutated in poikiloderma with neutropenia protein 1; putative U6 snRNA phosphodiesterase
Gene ID	79650
mRNA Refseq	NM_024598
Protein Refseq	NP_078874
MIM	613276
UniProt ID	Q9BQ65

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SDS-PAGE	

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