

UBL4A Human

Description:UBL4A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 165 amino acids (1-157 a.a.) and having a molecular mass of 18.8kDa. UBL4A is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

Catalog #:PRPS-1050

For research use only.

Synonyms:Ubiquitin-like protein 4A, Ubiquitin-like protein GDX, UBL4A, DXS254E, GDX, UBL4, G6PD, GET5, MDY2, TMA24, DX254E.

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:MQLTVKALQG RECSLQVPED ELVSTLKQLV SEKLNVPVRQ
QRLLFKGKAL ADGKRLSDYS IGPNSKLNLV VKPLEKVLE EGEAQRLADS PPPQVWQLIS
KVLARHFSAA DASRVLEQLQ RDYERSLSRL TLDDIERLAS RFLHPEVTET MEKGFSKLEH
HHHHH.

Purity:Greater than 95.0% as determined by SDS-PAGE.

Formulation:

UBL4A protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 100mM NaCl.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Ubiquitin-Like 4A (UBL4A) contains one ubiquitin-like domain. UBL4A is a component of the BAT3 complex, which is a multiprotein complex involved in the post-translational delivery of tail-anchored (TA) membrane proteins to the endoplasmic reticulum membrane. Post-translational modification by ubiquitin and ubiquitin-related proteins plays decisive roles in protein degradation and in regulation of crucial cellular processes. Due to the fact that in mammals, transcription halts during late spermiogenesis as a result of compaction of the spermatid genome, which creates a special need for robust post-transcriptional regulation.

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