
Product Data Sheet

Product Name: UBL4A Human
 Cat. No.: GP24940
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ubiquitin-like protein 4A; Ubiquitin-like protein GDX; UBL4A; DXS254E; GDX; UBL4; G6PD; GET5; MDY2; TMA24; DX254E.		
Amino Acid Sequence	MQLTVKALQG RECSLQVPED ELVSTLKQLV SEKLNVPVRQ QRLLFKGGKAL ADGKRLSDYS IGPNSKLNLV VKPLEKVLLE EGEAQRLADS PPPQVWQLIS KVLARHFSAA DASRVLEQLQ RDYERSLSRL TLDDIERLAS RFLHPEVTET MEKGFSKLEH HHHHH.		
Formulation	UBL4A protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 100mM NaCl.		

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.

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.

Background

UBL4A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

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