

Recombinant Human Ubiquitin-Like 4A, His-tagged

Cat. No. UBL4A-5553H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human UBL4A protein, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Description	UBL4A, also known as GDX, contains 1 ubiquitin-like domain. Post-translational modification by ubiquitin and ubiquitin-related proteins plays critical roles in protein degradation and in regulation of essential cellular processes. In mammals, transcription grinds to a halt during late spermiogenesis due to compaction of the spermatid genome, which creates a special need for robust post-transcriptional regulation. UBL4A plays any role in targeting cellular proteins for degradation.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 100mM NaCl.
Molecular Weight	18.8kDa (165aa), confirmed by MALDI-TOF.
Purity	> 95% by SDS - PAGE
Concentration	1mg/ml (determined by Bradford assay)
Sequences of amino acids	MQLTVKALQGRC SLQVPED ELVSTLKQLV SEKLNVPVRQ QRLLFKGKAL ADGKRLSDYS IGPNSKLN LV VKPLEKVLLEEGEAQLADS PPPQVWQLIS KVLARHFSAADASRVLEQLQ RDYERSLSRL TLDDIERLAS

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RFLHPEVTETMEKGFSKLEH HHHHH

Storage

Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

UBL4A ubiquitin-like 4A [Homosapiens]

Official Symbol

UBL4A

Synonyms

UBL4A;ubiquitin-like 4A; GDX; G6PD; GET5; MDY2; UBL4; TMA24; DX254E;DXS254E; ubiquitin-likeprotein 4A; ubiquitin-like 4; ubiquitin-like protein GDX; Ubiquitin-likeprotein 4A; Ubiquitin-like protein GDX

Gene ID

8266

mRNA Refseq

NM_014235

Protein Refseq

NP_055050

MIM

312070

UniProt ID

P11441

Chromosome Location

Xq28

Function

small conjugatingprotein ligase activity

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