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Datasheet for ABIN7556736  
**UROD Protein (AA 1-367) (His tag)**

## Overview

Quantity:	1 mg
Target:	UROD
Protein Characteristics:	AA 1-367
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This UROD protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Urod Protein expressed in mammalian cells.
Sequence:	MEANGFGLQN FPELKNDFL RAAWGEETDY TPVWCMRQAG RYLPEFRETR AAQDFSTCR SPEACCELTL QPLRRFPLDA AIIFSDILVV PQALGMEVTM VPGKGPSFPE PLREERDLER LRDPAAAASE LGYVFQAITL TRQRLAGRVP LIGFAGAPWT LMTYMEGGS SSTMAQAKRW LYQRPQASHK LLGILTDVLV PYLIGQVAAG AQUALQFESH AGHLGTELF S KRALPYIRDV AKRVKAGLQK AGLAPVPMII FAKDGHFALE ELAQAGYEVV GLDWTVAPKK ARERVGKAVT LQGNLDPCAL YASEEEIGRL VQQMLDDFGP QRYIANLGHG LYPDMDPERV GAFVDAVHKH SRLLRQN <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

## Product Details

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- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

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## Target Details

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Target:	UROD
Alternative Name:	Urod ( <a href="#">UROD Products</a> )
Background:	Uroporphyrinogen decarboxylase (UPD) (URO-D) (EC 4.1.1.37),FUNCTION: Catalyzes the sequential decarboxylation of the four acetate side chains of uroporphyrinogen to form coproporphyrinogen and participates in the fifth step in the heme biosynthetic pathway. Isomer I or isomer III of uroporphyrinogen may serve as substrate, but only coproporphyrinogen III can ultimately be converted to heme (By similarity). In vitro also decarboxylates pentacarboxylate porphyrinogen I (PubMed:8661721). {ECO:0000250 UniProtKB:P06132, ECO:0000269 PubMed:8661721}.
Molecular Weight:	40.7 kDa
UniProt:	<a href="#">P70697</a>

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## Application Details

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Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months