

Datasheet for ABIN7545024  
**UXS1 Protein (AA 1-420) (His tag)**



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## Overview

Quantity:	1 mg
Target:	UXS1
Protein Characteristics:	AA 1-420
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This UXS1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant UXS1 Protein expressed in mammalian cells.
Sequence:	<p>MVSKALLRLV SAVNRRRMKL LLGIALLAYV ASVWGNFVNM RSIQENGELK IESKIEEMVE          PLREKIRDLE KSFTQKYPPV KFLSEKDRKR ILITGGAGFV GSHLTDKLMM DGHEVTVVDN          FFTGRKRNV EHWIGHENFEL INHDVVEPLY IEVDQIYHLA SPASPPNYMY NPIKTLKTNT          IGTNLMLGLA KRVGARLLLA STSEVYGDPE VHPQSEDYWG HVNPIGPRAC YDEGKRVAET          MCYAYMKQEG VEVRRVARIFN TFGPRMHMND GRVVSNFILQ ALQGEPLTVY GSGSQTRAFQ          YVSDLVNGLV ALMNSNVSSP VNLGNPEEHT ILEFAQLIKN LVGSGSEIQF LSEAQDDPQK          RKPDIKKAKL MLGWEPVVPL EEGLNKAIHY FRKELEYQAN NQYIPKPKPA RIKKGRTRHS</p> <p><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.</b></p> <p><b>In case you have a special request, please contact us.</b></p>
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.

## Product Details

### Characteristics:

### Key Benefits:

- 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.

### Purity:

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

### Grade:

custom-made

## Target Details

### Target:

UXS1

### Alternative Name:

UXS1 ([UXS1 Products](#))

### Background:

UDP-glucuronic acid decarboxylase 1 (EC 4.1.1.35) (UDP-glucuronate decarboxylase 1) (UGD) (UXS-1) (hUXS) (hUXS1),FUNCTION: Catalyzes the NAD-dependent decarboxylation of UDP-glucuronic acid to UDP-xylose (PubMed:23656592, PubMed:22810237, PubMed:25521717). Necessary for the biosynthesis of the core tetrasaccharide in glycosaminoglycan biosynthesis (PubMed:23656592, PubMed:22810237, PubMed:25521717). {ECO:0000269|PubMed:22810237, ECO:0000269|PubMed:23656592, ECO:0000269|PubMed:25521717}.

### Molecular Weight:

47.6 kDa

### UniProt:

[Q8NBZ7](#)

### Pathways:

[Glycosaminoglycan Metabolic Process](#)

## 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.
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