

# Recombinant Human UXS1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** UXS1-4979H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

UXS1 MS Standard C13 and N15-labeled recombinant protein (NP\_079352) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

This gene encodes an enzyme found in the perinuclear Golgi which catalyzes the synthesis of UDP-xylose used in glycosaminoglycan (GAG) synthesis on proteoglycans. The GAG chains are covalently attached to proteoglycans which participate in signaling pathways during development. Multiple transcript variants encoding different isoforms have been found for this gene.

### Molecular Mass

47.6 kDa

### AA Sequence

MVSKALLRLVSAVNRRRMKLLLGIALLAYVASVWGNFVNMRSIQENGELKIESKIEEM  
 VEPLREKIRDLEKSFTQKYPPVKFLSEKDRKRILITGGAGFVGSHLTDKLMMDGHEVT  
 VVDNFFTGRKRNVHEHWIGHENFELINHDVVEPLYIEVDQIYHLASPAPPNYMYNPIK  
 TLKTNITIGTLNMLGLAKRVGARLLLASTSEVYGDPEVHPQSEYWGHVNPIGPRACY  
 DEGKRVAETMCYAYMKQEGVEVRVARIFNTFGPRMHMNDGRVVSFILQALQGEP  
 LTVYGSGSQTRAFQYVSDLVNGLVALMNSNVSSPVNLGNPEEHTILEFAQLIKNLVG  
 SGSEIQFLSEAQDDPQKRKPKDIKKAKMLGWEPVPLEEGLNKAIHYFRKELEYQAN  
 NQYIPKPKPARIKKGRTRHSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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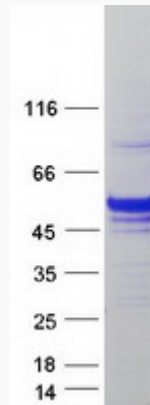
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

<b>Gene Name</b>	UXS1 UDP-glucuronate decarboxylase 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	UXS1
<b>Synonyms</b>	UXS1; UDP-glucuronate decarboxylase 1; UGD; SDR6E1; UDP-glucuronic acid decarboxylase 1; UXS-1; short chain dehydrogenase/reductase family 6E, member 12; EC 4.1.1.35
<b>Gene ID</b>	80146
<b>mRNA Refseq</b>	NM_025076
<b>Protein Refseq</b>	NP_079352
<b>MIM</b>	609749
<b>UniProt ID</b>	Q8NBZ7



SDS-PAGE



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