

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 VVDNFFTGRKRNVHEHWIGHENFELINHDVVEPLYIEVDQIYHLASPASPPNYMYPNIK TLKTNITIGTLNMLGLAKRVGARLLLASTSEVYGDPEVHPQSEDYWGHVNPIGPRACY DEGKRVAETMCYAYMKQEGVEVRVARIFNTFGPRMHMNDGRVVSNFILQALQGEP LTVYGGSGSQTRAFQYVSDLVNLVALMNSNVSSPVNLGNPEEHTILEFAQLIKNLVG SGSEIQFLSEAQDDPQKRKPKDIKKAKMLGWEPVPLEEGLNKAIHYFRKELEYQAN NQYIPKPKPARIKKGRTRHSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

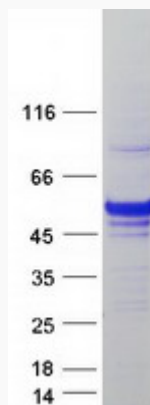
GENE INFORMATION

Gene Name	UXS1 UDP-glucuronate decarboxylase 1 [Homo sapiens (human)]
Official Symbol	UXS1
Synonyms	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
Gene ID	80146
mRNA Refseq	NM_025076
Protein Refseq	NP_079352
MIM	609749
UniProt ID	Q8NBZ7

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SDS-PAGE

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