

Product datasheet for PH303354

UXS 1 (UXS1) (NM_025076) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	UXS1 MS Standard C13 and N15-labeled recombinant protein (NP_079352)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203354
Predicted MW:	47.6 kDa
Protein Sequence:	>RC203354 protein sequence Red=Cloning site Green=Tags(s)

MVSKALLRLVSAVNRMRKLLGLIALLAYVASVWGNFVNMRSIQENGELKIESKIEEMVEPLREKIRDLE
KSFTQKYPPVKFLSEKDRKRLITGGAGFVGSHTDKLMMDGHEVTVDNFFTGRKRNVHEHWIGHENFEL
INHDDVVEPLYIEVDQIYHLASPSPNYMYPNIKTLKTNTIGTLNMLGLAKRVGARLLLSTSEVYGDPE
VHPQSEDYWGHVNPIGPRACYDEGKRVAEETMCYAYMKQEGVEVRVARIFNTFGPRMHMNDGRVVSNFILQ
ALQGEPLTVYGSQSQTRAFQYVSDLVNGLVALMNSNVSSPVNLGNPEEHTILEFAQLIKNLVGSSEIQF
LSEAQDDPQKRKPDIKKAKMLGWEPVVPLEEGLNKAIHYFRKELEYQANNQYIPKPKPARIKKGRTRHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_079352</u>
RefSeq Size:	2102
RefSeq ORF:	1260
Synonyms:	SDR6E1; UGD
Locus ID:	80146



[View online »](#)

UniProt ID: [Q8NBZ7](#)

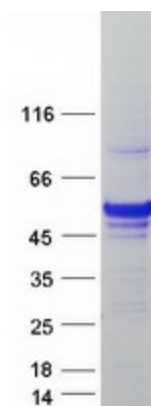
Cytogenetics: 2q12.2

Summary: 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. [provided by RefSeq, Dec 2014]

Protein Families: Transmembrane

Protein Pathways: Amino sugar and nucleotide sugar metabolism, Metabolic pathways, Starch and sucrose metabolism

Product images:



Coomassie blue staining of purified UXS1 protein (Cat# [TP303354]). The protein was produced from HEK293T cells transfected with UXS1 cDNA clone (Cat# [RC203354]) using MegaTran 2.0 (Cat# [TT210002]).