

Product datasheet for **SC332248**

UXS 1 (UXS1) (NM_001253876) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: UXS 1 (UXS1) (NM_001253876) Human Untagged Clone
Tag: Tag Free
Symbol: UXS 1
Synonyms: SDR6E1; UGD
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332248 representing NM_001253876.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTATAATCCTATCAAGACATTAAGACCAATACGATTGGGACATTAACATGTTGGGGCTGGCAAAA  
CGAGTCGGTGCCCGTCTGCTCCTGGCCTCCACATCGGAGGTGTATGGAGATCCTGAAGTCCACCCTCAA  
AGTGAGGATTACTGGGGCCACGTGAATCCAATAGGACCTCGGGCCTGCTACGATGAAGGCAAACGTGTT  
GCAGAGACCATGTGCTATGCCTACATGAAGCAGGAAGGCGTGGAAGTGCGAGTGGCCAGAATCTTCAAC  
ACCTTTGGGCCACGCATGCATGAACGATGGGCGAGTAGTCAGCAACTCATCTGCAGGCGCTCCAG  
GGGGAGCCACTCACGGTATACGGATCCGGGTCTCAGACAAGGGCGTTCCAGTACGTCAGCGATCTAGTG  
AATGGCCTCGTGGCTCTCATGAACAGCAACGTCAGCAGCCGGTCAACCTGGGGAACCCAGAAGAACAC  
ACAATCTAGAAATTTGCTCAGTTAATTA AAAACCTTGTTGGTAGCGGAAGTAAAATTCAGTTTCTCTCC  
GAAGCCCAGGATGACCCACAGAAAAGAAAACCAGACATCAAAAAGCAAAGCTGATGCTGGGGTGGGAG  
CCCGTGGTCCCGCTGGAGGAAGGTTTAAACAAAGCAATCACTACTTCCGTAAAGAACTCGAGTACCAG  
GCAATAATCAGTACATCCCAAACCAAAGCCTGCCAGAATAAAGAAAGGACGGACTCGCCACAGCTGA
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Restriction Sites: SgfI-MluI
ACCN: NM_001253876
Insert Size: 759 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001253876.1](#)

RefSeq Size: 2254 bp

RefSeq ORF: 759 bp

Locus ID: 80146

UniProt ID: [Q8NBZ7](#)

Cytogenetics: 2q12.2

Protein Families: Transmembrane

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

MW: 28.3 kDa

Gene 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]

Transcript Variant: This variant (3) differs in the 5' UTR, lacks several exons in the 5' coding region, and uses a downstream AUG compared to variant 1. The resulting protein (isoform 3) is shorter and has a distinct N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.