

Product datasheet for SC317676

UXS 1 (UXS1) (NM_025076) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UXS 1 (UXS1) (NM_025076) Human Untagged Clone
Tag:	Tag Free
Symbol:	UXS1
Synonyms:	SDR6E1; UGD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317676 representing NM_025076. Blue=Insert sequence Red=Cloning site Green=Tag(s)

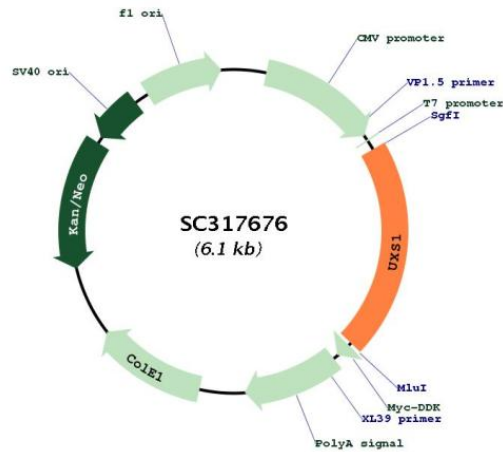
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GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGTGAGCAAGGCGCTGCTGCGCCTCGTGTCTGCCGTCAACCGCAGGAGGATGAAGCTGCTGCTGGGC
ATCGCCTTGCTGGCCTACGTGCGCCTCTGTTGGGGCAACTTCGTTAATATGAGGTCTATCCAGGAAAAT
GGTGAATAAAAATTGAAAGCAAGATTGAAGAGATGGTTGAACCACTAAGAGAGAAAATCAGAGATTTA
GAAAAAAGCTTTACCCAGAAATACCCACCAGTAAAGTTTTATCAGAAAAGGATCGGAAAAGAATTTTG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_025076

Insert Size: 1263 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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).

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_025076.4](#)

RefSeq Size: 2102 bp

RefSeq ORF: 1263 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:	47.6 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region compared to variant 1. The resulting protein (isoform 2) is shorter compared to isoform 1.</p> <p>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.</p>