

Product datasheet for MR206678

Uxs1 (NM_026430) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uxs1 (NM_026430) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Uxs1
Synonyms:	1600025I13Rik; AI451869; AI649125; AW550562
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206678 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGAGCAAGGGTCTGTTGCGCCTTGCTCTTCAGTCAACCGCAGGAGGATGAAGCTTCTGCTCGGCA
TCGCGCTGTTGCGCTACGCCCTCTGTTGGGCAACTTTGTTAACATGAGGTCTATCCAGGAAAATGG
AGAAGTAAAGATCGAAAGCAAGATTGAAGAGATTGTTGAACCTTAAGAGAGAAAATCAGAGATTTGGAA
AAAAGTTTTACCCAGAAAATACCCGCTGTAAAGTTTTATCAGAAAAGGACCGGAAAAGGATTTTGATCA
CTGGAGGTGCAGGCTTTGTGGCTCCCATCTAACTGACAACTCATGATGGATGGCCATGAGGTGACCGT
GGTGGACAACCTTCTCACAGGCAGGAAGAGAAATGTGGAACACTGGATTGGCCATGAGAAGTTCGAGCTG
ATTAACCATGATGTGGTCGAGCCGCTCTACATAGAAGTTGACCAGATATATCATCTGGCATCTCCAGCCT
CCCCACAAAACACTACATGTACAACCCATCAAGACACTGAAGACTAATAACAATTGGAACACTAAACATGTT
GGGATTGGCAAAGCGCTGGGTGCCCTGCTCTTGGCCTCCACTTCCGAGGTATATGGAGATCCTGAG
GTCCACCCTCAAAGTGAGGACTACTGGGCCATGTGAATCCCATAGGACCCCGAGCCTGCTATGATGAGG
GCAAACGTGTTGCAGAGACCATGTGCTATGCCTACATGAAGCAGGAAGGTGTGGAAGTACGGGTGGCAAG
GATCTTCAACACCTTTGGGCCGAGAATGCATGAATGATGGCGGGTGGTCAGCAACTTCATCTTACAA
GCACTACAAGGGGAGCCACTCACAGTCTATGGCTCTGGTCTCAGACAGGGCATTCCAGTACGTAAGTG
ATCTGGTGAATGGCCTGGTAGCACTGATGAACAGCAATGTCAGCAGTCTGTCAACTTGGGAAATCCAGA
AGAACACACAATCCTGGAATTTGCTCAGTTAATAAAAACCTTGTGGTAGTGAAGTGAATTCAGTTT
CTCTCTGAAGCCAGGATGACCCACAGAAAAGAAAACCAGACATCAAAAAGCAAAACTGATGCTGGGGT
GGGAACCTGTGGTTCCATTGGAGGAAGGATTGAACAAAGCCATCCACTACTTCCGGAAGGAATTAGAGTA
CCAGGCTAATAACAGTACATCCCCAAACCAAGCCCGCCAGAGTGAAGAAGGGCCGGACGCGCCACAGC

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206678 protein sequence
Red=Cloning site Green=Tags(s)

MVSKGLLRLLVSSVNRMRKLLLGLIALFAYAASVWGNFVNMRSIQENGELKIESKIEEIVEPLREKIRDLE
 KSFTQKYPPVKFLSEKDRKRIITGGAGFVGSHTDKLMMDGHEVTVDNFFTGRKRNVHEHWIGHENFEL
 INHDVVEPLYIEVDQIYHLASAPSPNYMNPYIKTLKNTIGTLNMLGLAKRVGARLLLASTSEVYGDPE
 VHPQSEDYWGHVNPIGPRACYDEGKRVAEATMCIAYMKQEGVEVVRARIFNTFGPRMHMNDGRVVSNFILQ
 ALQGEPLTVYGSQSQTRAFQYVSDLVNGLVALMNSNVSSPVNLGNPEEHTILEFAQLIKNLVSGSEIQF
 LSEAQDDPQKRKPKDIKKAKMLGWEPVPLEEGLNKAIHYFRKELEYQANNQYIPKPKPARVKKGRTRHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_026430

ORF Size: 1263 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_026430.1](#), [NP_080706.1](#)

RefSeq Size: 1263 bp

RefSeq ORF: 1263 bp

Locus ID: 67883

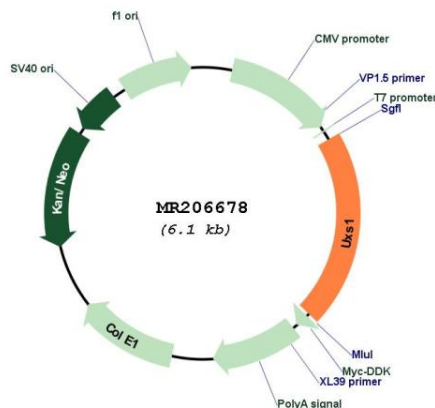
UniProt ID: [Q91XL3](#)

Cytogenetics: 1 C1.1

MW: 47.6 kDa

Gene Summary: Catalyzes the NAD-dependent decarboxylation of UDP-glucuronic acid to UDP-xylose. Necessary for the biosynthesis of the core tetrasaccharide in glycosaminoglycan biosynthesis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206678