

Product datasheet for RC210799

uronyl 2 sulfotransferase (UST) (NM_005715) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	uronyl 2 sulfotransferase (UST) (NM_005715) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	uronyl 2 sulfotransferase
Synonyms:	2OST
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC210799 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGAAGAAGCAGCAGCATCCCGGGCGGGCGCGGATCCCTGGCCCCATGGGGCCCCTATGGGGGGCG
CCCCTCCGGGCTGGGCAGCTGGAAGCGTCGGGTGCCCTGCTGCCTTCTCCTCGCCTTCTCCCTCCGGGA
CTACGGCTTCTGCATGGCCACCCTGCTGGTCTTCTGCCTGGGCTCCCTCCTCTATCAGCTCAGCGGGGA
CCCCCTCGCTTCTGCTCGACCTGCGGCAGTACTTGGAAATTCACCTACTTGGATGACCATGGACCAC
CTCCTAGTAAGTACTACCTTTCCAAGCCAGGTGGTGTACAACAGGGTAGGCAAGTGTGGGAGCCGTAC
TGTGGTCTTGCTTCTGAGAATCTTGTGGAGAAGCACGGATTTAATTTGGTCACATCAGACATTCACAAC
AAAACCAGGCTTACTAAAAATGAACAAATGGAAGTGAATAAAAATATAAGTACTGCCGAACAACCTATT
TATTCACCTCGACATGTTCAATTCCTCAACTTCTCAAGGTTTGGAGGAGACCAGCCTGTCTACATCAACAT
CATTAGAGACCCCGTCAACCGGTTCTTATCCAATATTTTTCCGTCGCTTTGGAGACTGGAGAGGGGAA
CAAAATCACATGATCCGCACCCCGCAGCATGAGGCAGGAGGAGCGCTACCTGGATATCAATGAGTGTATTC
TTGAAAATATCCCGAGTGTCCAACCCAGGTTATTTTACATCATTCCGTACTTTTGTGGACAGCATCC
CAGATGCAGGGAGCCTGGTGAATGGGCCCTTGAGAGAGCAAAGCTGAACGTGAATGAAAACCTTCTGCTC
GTGGGGATTCTTGAAGAGTTGGAAGATGTGCTGCTGTTACTGAAAGATTTTTACCTCATTACTTCAAGG
GGGTGCTCAGTATCTACAAAGACCCAGAGCACAGGAAGCTTGGAAACATGACTGTGACGGTGAAGAAGAC
TGTCCTCCTCCTGAGGCTGTGCAGATCCTCTACCAGCGGATGAGATACGAGTACGAGTTTTACCACTAC
GTCAAAGAGCAGTTCACCTGCTGAAGCGCAAGTTTGGACTTAAGTCTCACGTGACGAAGCCCCCTGA
GGCCACACTTCTTTATCCAACCTCACTGGAAACCGAGGACCAATCGACGATGAAGAACAGGATGATGA
AAAGTGGCTGGAAGATATTTATAAGAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_005715.3](#)

RefSeq Size: 4396 bp

RefSeq ORF: 1221 bp

Locus ID: 10090

UniProt ID: [Q9Y2C2](#)

Cytogenetics: 6q25.1

Domains: HS2ST

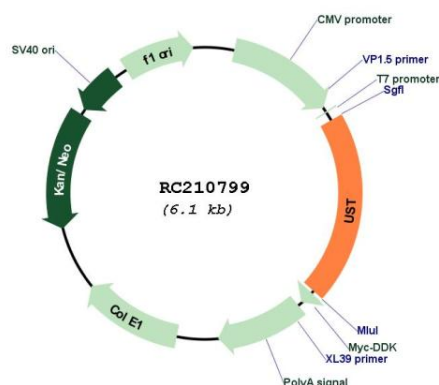
Protein Families: Transmembrane

Protein Pathways: Chondroitin sulfate biosynthesis

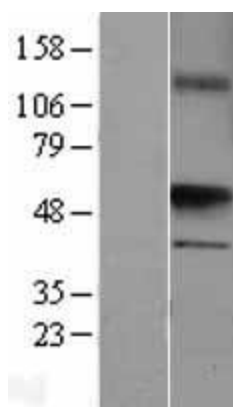
MW: 47.7 kDa

Gene Summary: Uronyl 2-sulfotransferase transfers sulfate to the 2-position of uronyl residues, such as iduronyl residues in dermatan sulfate and glucuronyl residues in chondroitin sulfate (Kobayashi et al., 1999 [PubMed 10187838]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RC210799



Western blot validation of overexpression lysate (Cat# [LY401743]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210799 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).