

Product datasheet for MC214629

Ust (NM_177387) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Ust (NM_177387) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Ust |
| Synonyms: | D930010O20Rik; UA2OST |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| Fully Sequenced ORF: | >MC214629 representing NM_177387 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGAAGAAGCAGCAGCAGCATCCCGGGCGGCGCACGGATCCCTGGCCCCATGGGGCCCTGTGGGG
GCGCCCTCCGTGCCTGGCAGCTGCAAGCGCCGGATCCCGCTGCTGCCTTTCCTGCGCTTCTCCCTCCG
GGACTACGGTTTCTGCATGGCTACCCTGCTGGTCTTCTGCTGGGCTCCCTTTCTACCAGCTCAGCGGG
GGACCCCTCGCTTCTGCTCGACTGCGGCAGTATTTGGGAAATTCACCTACTTGGATGACCATGGAC
CACCTCCTAGTAAGTCCCTTCCCTTCCCCAGCCAGGTGGTGTACAACAGAGTTGGCAAGTGTGGCAGTCG
TACCGTGGTCTTGCTTCTGAGAATCTTGTGAGAGAAGCACGGCTTCAATTTGGTCACATCAGACATTAC
AACAGACCCCGCTTACTAAAAATGAACAAATGGAAGTATTAAGATAAAGTACCGCCGAACAGCCCT
ATTTATTCACGAGACATGTCCACTTCTCAACTTCTCCAGGTTTGGAGGAGACCAGCCTGTCTACATCAA
CATCATCAGAGACCCCGTCAGTAGATTTCTGTCTAACTATTTCTCCGTCGCTTGGAGATTGGAGAGGG
GAACAGAATCACATGATCCGCACCCCGCATGAGGCAGGAGGAGCGCTACCTGGACATCAATGAGTGCA
TTCTGGAAAACTACCCTGAGTGTTCACCCAGGCTGTTTTACATCATCCCATTTCTGTGGACAGCA
CCCCAGATGTAGGAGCCCGCGAGTGGGCGCTGGAGCGGCCAAGCTGAACGTGAACGAAAACTTCTGT
CTCGTGGGATCCTGGAGGAGCTGGAAGATGTGCTGCTTACTGGAAAGATTTTTACTCATTACTTCA
AGGGTGTGCTGAGCATCTACAAGGCCAGAGCACAGGAACTTGGCAACATGACTGTGACCGTGAGGAA
GACTGTCCCTCCCCGAGGCGGTGCAGATTCTTACCAGCGAATGAGATACGAGTACGAGTTCTACCAC
TACGTGAGAGAACAATCCACCTGCTCAAGCGCAAGCTTGGACTGAAGTCTCGCGTGAGCGGACCTCCCG
TGAGACCACAGTTCTTCATCCCCACGCCCTGGAGACGGAGGAGCCAATCGACGACGAGGAGCAAGATGA
CGAAAAATGGCTAGAAGATATTTATAAGAGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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| Restriction Sites: | Sgfl-Mlul |
| ACCN: | NM_177387 |
| Insert Size: | 1224 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). |
| Reconstitution Method: | <ol style="list-style-type: none">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_177387.3 , NP_796361.2 |
| RefSeq Size: | 4284 bp |
| RefSeq ORF: | 1224 bp |
| Locus ID: | 338362 |
| UniProt ID: | Q8BUB6 |
| Cytogenetics: | 10 A1 |
| Gene Summary: | Sulfotransferase that catalyzes the transfer of sulfate to the position 2 of uronyl residues. Has mainly activity toward iduronyl residues in dermatan sulfate, and weaker activity toward glucuronyl residues of chondroitin sulfate. Has no activity toward desulfated N-resulfated heparin (By similarity).[UniProtKB/Swiss-Prot Function] |