

Product datasheet for MC201780

Ostc (NM_025509) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Ostc
Synonyms:	2310008M10Rik; 5730557H03Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC021935 sequence for NM_025509
 GCGGAAGGCTGGAGGCCAGAGGGCTGGCCCTACCGCCGGGACATGGAGACTCTGTACCGAGTCCCATTCTAGTGCTCGAATGCCCAACCTGAAGCTGAAGAAACCGCCCTGGGTGCACATGCCGTCGGCTATGACGGTGTACGCCCTGGTGGTGTATCTTACTTCCTCATTACCGGAGGAATAATCTATGATGTTATCGTTGAACCTCCAAGTGTGGCTCAATGACCGACGAACATGGGCATCAGAGACCAGTAGCTTTCTTGGCTTACAGAGTAACGGACAGTATATCATGGAAGGGCTTGCCTCCAGCTTTCTCTTTACAATGGGAGGTTTAGGTTTCATAATCCTGGACCGATCCAATGCACCAAACATACCGAACTCAACAGGTTTCTTCTTCTGTTTCATCGGCTTCGTCTGTGTTCTCCTGAGTTTCTTCATGGCCAGAGTGTTTCATGAGAATGAAATTGCCGGGCTACCTGATGGGCTAGTGTCTTTTGGAGGAAATCAGTGGATCCCGGATTTGCTCCTGTTAATGAAGTTTAAAGGCTGACCCACTCCCTCGTCAATGTGGAAAAAATGAAGAGCAGTGTAACGCTGCACTGAGCGACACCTAGCAAGCACAGCAGAGCTAGGACCGGAAGTCACGGGATCAGAGACAAGTTCATTACAGTATTTCCCTTGATGACCTACCCAGTGTAACGAGCTATGTTAAACGGCATTTTTTCTTAGTTTTTTATTTCTTAAAGAAAATATACTCCTCCTAAAACCTTTGGTATTGAATAAAGTGATTATTTTTTACAAACCCGTCATCAGCTTTTGGACATGATATTCTGATTTTTCAGAAATTAACGCAAATTGAGAAGTATATTGTGAGAGCTGAGATATTTGGACGACTGGCCAGTTCTGTCAGTGGTGTCTTAAATGGCGTGTGTGCTACTCTGCAATTTTCAGATGCATACGGGAGACTTGTTCTCTGAACAACATGATGTATGAAAGGAGCAGAAATAATGATTTTTTCTAATTAATAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:	RsrII-NotI
ACCN:	NM_025509
Insert Size:	450 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC021935 , AAH21935
RefSeq Size:	1066 bp
RefSeq ORF:	450 bp
Locus ID:	66357
UniProt ID:	Q78XF5
Cytogenetics:	3 G3
Gene Summary:	Subunit of the oligosaccharyl transferase (OST) complex that catalyzes the initial transfer of a defined glycan (Glc(3)Man(9)GlcNAc(2) in eukaryotes) from the lipid carrier dolichol-pyrophosphate to an asparagine residue within an Asn-X-Ser/Thr consensus motif in nascent polypeptide chains, the first step in protein N-glycosylation. N-glycosylation occurs cotranslationally and the complex associates with the Sec61 complex at the channel-forming translocon complex that mediates protein translocation across the endoplasmic reticulum (ER). All subunits are required for a maximal enzyme activity. May be involved in N-glycosylation of APP (amyloid-beta precursor protein). Can modulate gamma-secretase cleavage of APP by enhancing endoproteolysis of PSEN1.[UniProtKB/Swiss-Prot Function]