

Product datasheet for **MG201040**

Ostc (NM_025509) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ostc (NM_025509) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ostc
Synonyms: 2310008M10Rik; 5730557H03Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201040 representing NM_025509
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGACTCTGTACCGAGTCCCATTCTTAGTGCTCGAATGCCCAACCTGAAGCTGAAGAAACCGCCCT
GGGTGCACATGCCGTCGGCTATGACGGTGTACGCCCTGGTGGTGTATCTTACTTCCTCATTACCGGAGG
AATAATCTATGATGTTATCGTTGAACCTCCAAGTGTGGCTCAATGACCGACGAACATGGGCATCAGAGA
CCAGTAGCTTTCTTGGCTTACAGAGTAAACGGACAGTATATCATGGAAGGGCTTGGCTCCAGCTTTCTCT
TTACAATGGGAGGTTTAGGTTTCATAATCCTGGACCGATCCAATGCACCAACATACCGAACTCAACAG
GTTTCTTCTTCTGTTTCATCGGCTTCGTCTGTCTCTCTGAGTTTCTTCATGGCCAGAGTGTTCATGAGA
ATGAAATTGCCGGCTACCTGATGGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201040 representing NM_025509
Red=Cloning site Green=Tags(s)

METLYRVPFLVLECPNLKLLKPPVHMPSAMTVYALVVVSYFLITGGIIYDVIVEPPSVGSMTDEHGHQR
PVAFLAYRVNGQYIMEGLASSFLFTMGGLGFIIIDRSNAPNIPKLNRFLLLFIGFVCVLLSFFMARVFMR
MKLPGYLMG

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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:	<u>NM_025509.2</u> , <u>NP_079785.1</u>
RefSeq Size:	1066 bp
RefSeq ORF:	450 bp
Locus ID:	66357
UniProt ID:	<u>Q78XF5</u>
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]