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Product datasheet for SC330796

OSTC (NM_001267818) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSTC (NM_001267818) Human Untagged Clone
Tag:	Tag Free
Symbol:	OSTC
Synonyms:	DC2
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330796 representing NM_001267818. Blue=Insert sequence Red=Cloning site Green=Tag(s) ATGGAGACTTTGTACCGTGTCCCGTTCTTAGTGCTCGAATGTCCCAACCTGAAGCTGAAGAAGCCGCCC TGGTTGCACATGCCGTCGGCCATGACTGTGTATGCTCTGGTGGTGGTGTCTTACTTCCTCATCACCGGA GGAATAATTTATGATGTTATTGTTGAACCTCCAAGTGTCGGTTCTATGACTGATGAACATGGGCATCAG AGGCCAGTAGCTTTCTTGGCCTACAGAGTAAATGGACAATATATTATGGAAGGACTTGCATCCAGCTTC CTATTTACAATGGGAGGTTTAGGTTTCATAATCCTGGACCGATCGAATGCACCAAATATCCCAAAACTC AATAGATTCCTTCTTCTGTTCATTGGATTCGTCTGTGTCCTATTGAGTTTTTTCATGGCTAGAGTATTC ATGAGAATGAAACTGCCACGGAGTCTCGCTCTGTTGCCCAGGCTGGAGTGCAGTGGCGTGATCTCGGCT CACTACAAACTCTGCCTCCCAGGGGCTATCTGA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001267818
Insert Size:	516 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).

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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_001267818.1
RefSeq Size:	1166 bp
RefSeq ORF:	516 bp
Locus ID:	58505
UniProt ID:	Q9NRP0
Cytogenetics:	4q25
Protein Families:	Transmembrane
MW:	19.2 kDa
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 endoprotelysis of PSEN1.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) contains an alternate exon in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (3) is longer and has a distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.