

Product datasheet for MR207041

Ddost (NM_007838) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddost (NM_007838) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ddost
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR207041 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGATGGATCCCCGCTCGCCGTCCGCGCCTGGCCCTCTGCGGGCTGCTGCTGGCCGTGCTCGGCT
GCGTCTGCGCCAGCGGCCCGCACCCCTCGTGTCTGGACAACCTGAACGTGCGGGACACGCACTCGCT
GTTCTCCGCAGCCTGAAGGACCGGGCTTTGAGCTCACCTCAAGACCGCAGATGACCCAGCTTGCC
CTCATTAAGTACGGGAGTTCTCTATGACAACCTTATCATCTTTCCCGTCGGTGAAGATTTGGAG
GCAACATCAACGTGGAGACCATCAGTGCCTTCATTGATGGTGGCGCAGCGTTTTGGTGGCTGCCAGCTC
TGATATTGGTGACCCTTTCGGGAGCTGGGCAGTGAGTGTGGATTGAATTTGATGAAGAGAAAACAGT
GTCATCGACCACCACAACATATGATGTTTCTGACCTTGGCCAGCACACACTCATTGTGGCTGACACTGAGA
ACCTGCTGAAGGCCCGACCAATTGTTGGCAAGTCATCTCTGAACCCATTCTCTCCGAGGAGTTGGAAT
GGTGGCAGACCCGGACAATCCCTTGGTTTTGGACATCCTAACAGGCTCTCAACCTCTTACTCCTTCTTC
CCAGATAAACCAATCACCCAGTACCCCATGCGGTGGGAGGAACACTCTGCTGATTGCCGGCTCCAGG
CCAGGAACAACGCCCGGTTCATCTCAGTGGCTCTCTGGATTTCTCAGCGATGCCTTCTCAACTCGGC
AGTGCAGAAGGCCACCCGGTGCAGAGGTATTCTCAGACAGGCAACTATGAAGTGTGTTGGCCCTC
TCACGCTGGGTGTTCAAGGAGGAGGTGTCTTCGAGTAGGGCTGTGTCCCATCACCGGTGGGCGAGA
TGGCTCCACCAATGCCTACACTGTACCGACTTGGTGGAGTATAGCATCATCATAGAACAGCTCTCCAA
TGGCAAGTGGTCCCCTTTGATGGTGTGACATTAGCTGGAGTTCGTGCGCATCGACCCCTTCGTGAGG
ACCTTCTGAAGAGGAAAGGTGGCAAGTACAGTGTCCAGTTCAAGCTGCCTGACGTGTATGGTGTATTCC
AGTTTAAAGTGGATTACAACCGGTAGGCTACACCCACCTGACTCTTCCACCCAGGTGTGAGTGGCC
ACTCCAGCACACGAGTATGAGCGCTTCATCCCCTCGGCTATCCCTACTATGCCAGTGCCTTCTCCATG
ATGGCCGGCTCTTCATCTCAGCATCGTCTTCTGCACATGAAGGAGAAGGAGAAGTCTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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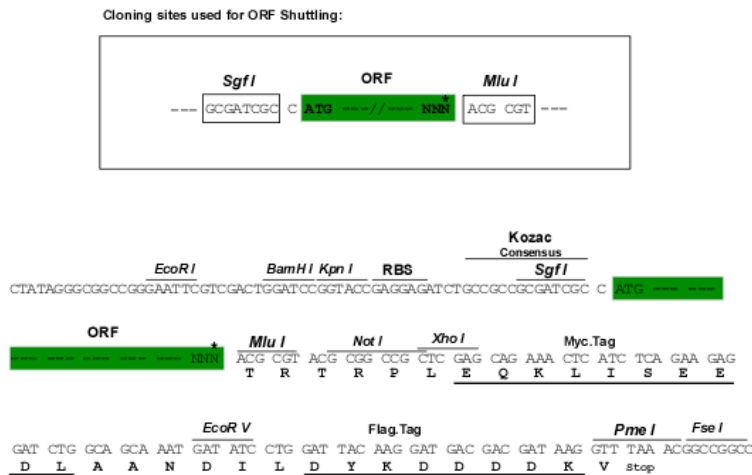
Protein Sequence: >MR207041 protein sequence
Red=Cloning site Green=Tags(s)

MKMDPRLAVRAWPLCGLLLAVLGCVCASGPRTLVLLDNLNVRDTHSLFFRSLKDRGFELTFKTADDPSSL
 LIKYGEFLYDNLIIFFSPSVDFGGNINVTISAFIDGGGSVLVAASSDIGDPLRELGSECGIEFDEEKTA
 VIDHHNYDVSDLGQHTLIVADTENLLKAPTIVGKSSLNPILFRVGMVADPDNPLVLDILTGSSTYSFF
 PDKPITQYPHAVGRNTLLIAGLQARNNARVIFSGSLDFSDAFFNSAVQKATPGAQRYSTGTNYELAVL
 SRWVFKKEEGLRVGPVSHHRVEMAPPNAYTVTDLVEYSIIIEQLSNGKWVFPDGDDIQLEFVRIDPFVR
 TFLKRKGGKYSVQFKLPDVGVFQFKVDYNRLGYTHLYSSTQVSVRPLQHTQYERFIPSAYPYASAFSM
 MAGLFIIFSIVFLHMKKEKSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007838

ORF Size: 1326 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

RefSeq: [NM_007838.3](#)

RefSeq Size: 2134 bp

RefSeq ORF: 1326 bp

Locus ID: 13200

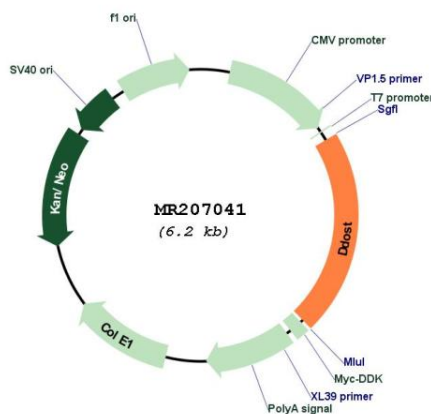
UniProt ID: [O54734](#)

Cytogenetics: 4 D3

MW: 49 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 (By similarity). Required for the assembly of both SST3A- and SS3B-containing OST complexes (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207041