

Product datasheet for **MC202388**

Dad1 (NM_010015) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dad1 (NM_010015) Mouse Untagged Clone
Tag: Tag Free
Symbol: Dad1
Synonyms: AI323713
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC058116 sequence for NM_010015
 CGTCTGTGGTCGTCCGGTATCCGAAGTCCCCGTGTTTCGTCATGTCCGGCTCTGTGGTGTCCGTCATCTCC
 CGGTTCTGGAGGAGTACTTGAGCTCCACTCCGACGGCTGAAGTTGCTGGACGCTATCTCCTTTATA
 TACTGCTGACCGGGCGCTGCAGTTCGGCTACTGTCTCCTCGTGGGCACCTTCCCCTTCAACTCTTTCCT
 CTCTGGCTTCATCTCTTGTGTGGGCAGCTTCATCCTAGCGGTTTGCCTGAGAATACAGATCAACCCCGAG
 AACAAAGGCGGACTTCCAAGGCATCTCTCCGAGCGAGCCTTTGCTGACTTCTCTTTGCCAGCAGATCC
 TGCACCTTGTCGTATGAACTTCGTTGGCTGAACTCCGTCTCCTTACCGTGGAGTTGGAGGTTGGCGGAG
 CGCTCACTCTTTGACGTCCCCTGGATCAGCATTCTTGAGCTGGCAGCTTGTGACATGGCTTCTCAGA
 TTCGTGCTTGACTACGAGTCTCACTGGTTGTGAGGTGGCAGTCCAGAGAACTCCCTTCGCTCTATCGGA
 CCAACTCCACAGTGTACGGCTGTTAACACAGAATCTGCCTCCCCTCACTGTAGCCCTTACTTTCCATATT
 AAAAACATTTTCAGCCTCCAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI

ACCN: NM_010015

Insert Size: 342 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).



[View online »](#)

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: [BC058116](#), [AAH58116](#)

RefSeq Size: 666 bp

RefSeq ORF: 342 bp

Locus ID: 13135

UniProt ID: [P61804](#)

Cytogenetics: 14 27.7 cM

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.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) is missing the 3' terminal non-coding exon found in transcript variant 1, therefore, has a different 3' UTR. Transcript variants 1 and 2 encode the same protein.