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Product datasheet for MC208069

Dhdds (NM_026144) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dhdds (NM_026144) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dhdds
Synonyms:	3222401G21Rik; CIT; DS; HDS; W91638
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208069 representing NM_026144 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTCATGGATCAAAGAAGGAGAGCTGTCACTGTGGGAACGGTTCTGTGCTAACATCATAAAGGCTGGCC CAGTACCCAAACATATCGCGTTCATAATGGACGGCAACCGTCGCTATGCCAAGAAGTGTCAGGTGGAGCG CCAGGAGGGCCACACACAGGGCTTCAATAAGCTTGCTGAGACTCTCCGCTGGTGTTTGAACCTGGGCATC CTAGAAGTGACTGTCTACGCATTCAGCATTGAGAACTTCAAACGTTCCAAGAGTGAGGTTGACGGACTCC TGGATCTAGCCAGACAGAAGTTCAGCTGCTTGATGGAAGAACAGGAGAAGCTGCAGAAGCACGGGGTGTG CATCCGCGTCCTGGGTGATCTGCATCTGCTGCCCTTGGACCTCCAGGAGAAGATTGCGCATGCCATCCAG GCTACTAAGAACTACAATAAGTGTTTCCTCAATGTCTGCTTTGCATACACATCACGTCATGAGATTGCCA ATGCTGTGAGAGAGATGGCCTGGGGCGTGGAACAAGGTCTGCTGGAACCCAGTGATGTCTCCGAGTCTCT GCTCGATAAGTGCCTCTATAGCAACCACTCTCCTCATCCCGACATCCTGATCCGGACTTCTGGGGAGGTG CGGCTGAGTGACTTCTTGCTCTGGCAGACGTCCCATTCCTGCCTCGTGTTCCAGCCTGTCCTGTGGCCAG AATACACATTTTGGAACCTGTGTGAGGCAATTCTGCAGTTTCAGAGGAACCATGGTGCACTTCAGAAGGC CCGAGACATGTACGCTGAGGAGCGGAAGAGGCGCCAGCTGGAGAGGGACCAGGCCGCAGTGACAGAGCAG CTGCTTCGAGAGGGGCTCCAGGCCAGTGGGGATGCCCAACTCCGACGGACACGCTTGCACAAACTCTCCA CCAAACGGGAAGAGCGAGTCCAAGGCTTCCTGAAGGCCTTGGAACTTAAACGGGCCAACTGGCTGGCACT TTGGGGCACTGCATCTGCCTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI

View online »

ACCN:	NM_026144
Insert Size:	1002 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.
RefSeq:	NM_026144.4, NP_080420.2
RefSeq Size:	3110 bp
RefSeq ORF:	1002 bp
Locus ID:	67422
UniProt ID:	Q99KU1
Cytogenetics:	4 D3
Gene Summary:	With NUS1, forms the dehydrodolichyl diphosphate synthase (DDS) complex, an essential component of the dolichol monophosphate (Dol-P) biosynthetic machinery. Both subunits contribute to enzymatic activity, i.e. condensation of multiple copies of isopentenyl pyrophosphate (IPP) to farnesyl pyrophosphate (FPP) to produce dehydrodolichyl diphosphate (Dedol-PP), a precursor of dolichol phosphate which is utilized as a sugar carrier in protein glycosylation in the endoplasmic reticulum (ER). Regulates the glycosylation and stability of nascent NPC2, thereby promoting trafficking of LDL-derived cholesterol. [UniProtKB/Swiss-Prot Function]