

Product datasheet for **MC210662**

Mesd (NM_023403) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mesd (NM_023403) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mesd
Synonyms: 2210015O11Rik; AW537813; mesd; mKIAA0081; msd
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210662 representing NM_023403
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTGCCTCCAGGTGGCTGCGCGGGTCTACTGTTTCTGTGTGCCTCGGACCTTCTGTTGCTCCCTC
CTCCTAATGCCTACGCGCGGACACTCCGGGCGAGGCCACCCACCTCCACGGAAAAAGAAGGACATCCG
CGATTACAACGATGCCGACATGGCGGACTTCTGGAGCAGTGGGAGAAAGATGATGACATAGAAGAAGGA
GACCTTCCAGAACACAAGAGACCCTCAGCACCTATCGACTTCTCAAAGCTAGACCCAGGCAACCTGAGA
GCATCTTGAAAAATGACAAAGAAAGGGAAGACTCTGATGATGTTTGTACCGTGTCTGGGAACCCACCGA
GAAGGAGACAGAGGAGATCACCAGCCTGTGGCAGGGTAGCCTGTTCAACGCCAACTATGACGTTCAAGG
TTCATCGTGGGATCCGACCGCCATCTTCATGCTCCGGGATGGGAGCTATGCCTGGGAGATCAAGGACT
TTTTGGTCAGTCAAGACCGGTGTGCTGAAGTCACTCTAGAGGGACAGATGTATCCTGGCAAAGGAGGAGG
AAGCAAGGAGAAAAATAAAACAAAGCCAGAGAAGGCTAAAAAGAAGGAGGGAGATCCCAAACCACGTGCT
TCCAAGGAAGACAATCGAGCTGGGAGCAGAAGAGAAGACCTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_023403
Insert Size: 675 bp



[View online »](#)

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:	<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:	NM_023403.3 , NP_075892.3
RefSeq Size:	4492 bp
RefSeq ORF:	675 bp
Locus ID:	67943
UniProt ID:	Q9ERE7
Cytogenetics:	7 D3
Gene Summary:	Chaperone specifically assisting the folding of beta-propeller/EGF modules within the family of low-density lipoprotein receptors (LDLRs). Acts as a modulator of the Wnt pathway through chaperoning the coreceptors of the canonical Wnt pathway, LRP5 and LRP6, to the plasma membrane. Essential for specification of embryonic polarity and mesoderm induction (PubMed:12581525). Plays an essential role in neuromuscular junction (NMJ) formation by promoting cell-surface expression of LRP4 (PubMed:24140340). May regulate phagocytosis of apoptotic retinal pigment epithelium (RPE) cells (PubMed:27184668).[UniProtKB/Swiss-Prot Function]