

## Product datasheet for **RN210004**

### Esd (NM\_001106051) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Esd (NM\_001106051) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Esd  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >RN210004 representing NM\_001106051  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAACATAAACAGATTTCCAGCAACAAGTGCTTTGGCGGGCTCCAGAAAGTTTTGAACATAGCAGTG  
 TTGAGCTGAAATGAAAAATGAAATTTGCTATCTACCTACCACCCAGGCTGAGAGTGCAAAGTGCCCTGC  
 ACTTTACTGGCTGTCTGGTTAACTTGCACAGAACAATAATTCATATCAAAGCTGGCTGTCAACAAGT  
 GCCTCAGAACATGGCCTTGTGGTCATTGCTCCTGATACCGCCCGTGGCTGCAATATTAAGGAGAAG  
 ATGACAGCTGGGACTTCGGCACTGGTGGGGTTTTTTGTGAACGCCACTGAGGATCCTTGAACACTAA  
 CTACAGAAATGACTCTTACGTAACAGAGGAGCTCCACAACCTATAAATGCCAATTTCCAGTGGACCCA  
 CAGAGGATATCTATTTTGGTCACTCCATGGGAGGTCACGGAGCTCTGATTTGCGCTTTGAAAAATCCTG  
 GAAAAACAGATCTGTATCTGCATTTGCTCCAATTTGCAACCCTGTGCTCTGTCTTGGGGCAAAAAGC  
 TTTAATGGATATTTGGGACCAGATCAAAGTAAATGGAAGGCGTACGATGCGACCTGTCTCGTGAAGTCC  
 TACTCGGGTCCACAGATTGACATACTAATTGATCAGGGGAAAGATGACGAGTTCCTCGAATGGCCAGT  
 TACTCCCTGACAACTTCATCGCTGCCTGCACAGAAAAGAAAATCCCTGTTGTTTTAGGCTACAAGAGGG  
 TTATGATCATAGCTACTACTTCATTGCAACCTTCATCACTGACCACATCAGGCATCATGCCAAGTACCTG  
 AATGCATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_001106051  
 Insert Size: 849 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001106051.3, NP_001099521.1</u>
<b>RefSeq Size:</b>	1072 bp
<b>RefSeq ORF:</b>	849 bp
<b>Locus ID:</b>	290401
<b>UniProt ID:</b>	<u>B0BNE5</u>
<b>Cytogenetics:</b>	15q11
<b>Gene Summary:</b>	Serine hydrolase involved in the detoxification of formaldehyde.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same isoform (a).