

Product datasheet for **RN216235**

Esd (NM_001270865) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Esd (NM_001270865) Rat Untagged Clone
Tag: Tag Free
Symbol: Esd
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN216235 representing NM_001270865
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAACAAAACAGATTTCCAGCAACAAGTGCTTTGGCGGGCTCCAGAAAGTTTTGAACATAGCAGTG
TTGAGCTGAAATGAAAAATGAAATTTGCTATCTACCTACCACCCAGGCTGAGAGTGCAAAGTGCCCTGC
ACTTTACTGGCTGTCTGGTTAACTTGCACAGAACAAAATTTTCATATCAAAGCTGGCTGTCAACAAGCT
GCCTCAGAACATGGCCTTGTGGTCATTGCTCCTGATACCAGCCCCGGTGGCTGCAATATTAAGGAGAAG
ATGACAGCTGGGACTTCGGCACTGGTGGGGTTTTTTGTGAACGCCACTGAGGATCCTTGAACACTAA
CTACAGAATGTACTCTTACGTAACAGAGGAGCTTCCACAACATCAAATGCCAATTTCCAGTGGACCCA
CAGAGGATATCTATTTTTGGTCACTCCATGGGAGGTCACGGAGCTCTGATTTGCGCTTTGAAAAATCCTG
GAAAAACAGATCTGTATCTGCATTTGCTCCAATTTGCAACCCTGTGCTCTGTCCTTGGGGCAAAAAGC
TTTTAATGGATATTTGGGACCAGATCAAAGTAAATGGAAGGCGTACGATGCGACCTGTCTCGTGAAGTCC
TACTCGGGTCCACAGATTGACATACTAATTGATCAGGGGAAAGATGACGAGTTCTCTCGAATGGCCAGT
TACTCCCTGACAACCTTCATCGCTGCCTGCACAGAAAAGAAAATCCCTGTTGTTTTAGGCTACAAGAGG
TTATGATCATAGCTACTACTTCATTGCAACCTTCATCACTGACCACATCAGGCATCATGCCAAGTACCTG
AATGCATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001270865
Insert Size: 849 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001270865.1</u> , <u>NP_001257794.1</u>
RefSeq Size:	1154 bp
RefSeq ORF:	849 bp
Locus ID:	290401
UniProt ID:	<u>B0BNE5</u>
Cytogenetics:	15q11
Gene Summary:	<p>Serine hydrolase involved in the detoxification of formaldehyde.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 2 both encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>