

Product datasheet for **MC226864**

Esd (NM_001285423) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Esd (NM_001285423) Mouse Untagged Clone
Tag: Tag Free
Symbol: Esd
Synonyms: Es-10; Es10; FGH; sid478
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226864 representing NM_001285423
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGTGACGATCTCTGCACCCCTCCCGCCGGGAGGAGAATGGCGCTCAAACAGATTTCCAGCAACAGGT
 GCTTTGGCGGGCTCCAGAAAGTTTTCGAACATAGCAGTGTGAGCTGAAATGTAATGAGATTTGCTGT
 CTACCTACCACCCAGGCCGAGAGTGAAAGTGTCCAGCGCTTTACTGGCTGTCTGGTTAACTTGCACA
 GAACAAAATTTTCATATCAAAGTCTGGCTATCAGCAAGCTGCCTCAGAGCACGGCCTTGTGGTCATTGCC
 CTGATACCAGCCCTCGTGGCTGCAATATCAAAGGAGAAGATGACAGCTGGGACTTCGGCACTGGTGTGG
 GTTTTATGTGAATGCCACTGAAGATCCTTGAAAGCTAACTACAGAATGTACTCTTACGTCACCGAGGAG
 CTTCCACAACCTATAAATGCCAATTTCCAGTGGACCCACAGAGGATGTCTATTTTTGGTCACTCCATGG
 GAGGCCACGGAGCTCTGATTTGTGCTTTGAAAAATCCTGGAAAAACAGATCTGTGTCAGCATTTGCTCC
 AATTTGCAACCCCTGTGCTGTGTTCTTGGGGCAAAAAGCTTTTAGTGGATATTTGGGACCAGATGAAAGT
 AAATGGAAGGCATACGATGCGACCTGTCTCGTGAAGGCCATTCGGGTTCCAGATTGACATCCTAATCG
 ATCAAGGAAAAGATGACGAGTTTCTTTCAAATGGGCAGTTACTCCCTGATAAATTCATAGCTGCCTGCAC
 AGAGAAGAAAATCCCTGTTGTGTTTAGACTACAAGAGGGTTATGATCATAGCTACTTCAATGCAACT
 TTCATCGCTGACCACATCAGACCCATGCTAAGTACCTGAATGCATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001285423
Insert Size: 888 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_001285423.1</u> , <u>NP_001272352.1</u>
RefSeq Size:	2121 bp
RefSeq ORF:	888 bp
Locus ID:	13885
Cytogenetics:	14 39.38 cM
Gene Summary:	<p>Serine hydrolase involved in the detoxification of formaldehyde.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). 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>