

Product datasheet for **SC320664**

ESD (NM_001984) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ESD (NM_001984) Human Untagged Clone
Tag:	Tag Free
Symbol:	ESD
Synonyms:	FGH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001984.1
 CTTTTACTTCGGCCCGCTTCTTCTGGTCACTCCGCCACCGTAGAATCGCCTACCATTGG
 TGCAAGCAAAAAGCAATCAGCAATTGGACAGAAAAGAATGGCATTGAAGCAGATTCCA
 GCAACAAGTGCTTTGGGGATTGCAGAAAAGTTTTGAACATGACAGTGTTGAACTAAACT
 GCAAAATGAAATTTGCTGTCTACTTACCACCAAAGGCAGAAACAGGAAAGTGCCTGCAC
 TGTATTGGCTCTCAGGTTAACTTGACAGAGCAAAATTTATATCAAAATCTGGTTATC
 ATCAGTCTGCTTCAGAACATGGTCTTGTGTGTCATTGCTCCAGATACCAGCCCTCGTGGCT
 GCAATATTAAGGTGAAGATGAGAGCTGGGACTTTGGCACTGGTGTGGATTTTATGTTG
 ATGCCACTGAAGATCCTTGAAAACCAACTACAGAATGACTCTTATGTCACAGAGGAGC
 TTCCCAACTCATAAATGCCAATTTCCAGTGGATCCCCAAAGGATGTCTATTTTTGGCC
 ACTCCATGGGAGGTCATGGAGCTCTGATCTGTGCTTTGAAAAATCCTGGAAAATACAAAT
 CTGTGTCAGCATTGCTCCAATTTGCAACCCTGTACTCTGTCCCTGGGGCAAAAAGCCT
 TTAGTGGATATTTGGGAACAGATCAAAGTAAATGGAAGGCTTATGATGCTACCCACCTTG
 TGAAATCCTATCCAGGATCTCAGCTGGACATACTAATTGATCAAGGGAAAGATGACCAGT
 TTCTTTTATAGATGGACAGTTACTCCCTGATAACTTCATAGCTGCCTGTACAGAAAAGAAA
 TCCCGTTGTTTTTCGATTGCAAGAGGATTATGATCATAGCTACTACTTCATTGCAACCT
 TTATTACTGACCACATCAGACATCATGCTAAATACCTGAATGCATGAAAAACTCCAAAT
 AAGAGAATCTCTTCAGGATTATAAAAGTTGTAATGCAACTGTATTGCTGAGCAAAAAA
 AAAAAAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_001984



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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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001984.1</u> , <u>NP_001975.1</u>
RefSeq Size:	1208 bp
RefSeq ORF:	849 bp
Locus ID:	2098
UniProt ID:	<u>P10768</u>
Cytogenetics:	13q14.2
Gene Summary:	This gene encodes a serine hydrolase that belongs to the esterase D family. The encoded enzyme is active toward numerous substrates including O-acetylated sialic acids, and it may be involved in the recycling of sialic acids. This gene is used as a genetic marker for retinoblastoma and Wilson's disease. [provided by RefSeq, Feb 2009]