

Product datasheet for **SC327473**

ZADH1 (PTGR2) (NM_001146154) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZADH1 (PTGR2) (NM_001146154) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZADH1
Synonyms:	HEL-S-298; PGR2; ZADH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327473 representing NM_001146154. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATTGTTCAAAGAGTGGTATTGAATTCTCGACCTGGAAAAATGGTAATCCAGTGGCAGAGAATTTTC
CGAATGGAAGAAGTCTATTTACCAGATAATATTAATGAAGGACAAGTACAAGTTAGAAGTCTTTATCTT
TCTGTGGATCCTTACATGCGTTGTAGAATGAATGAAGACACTGGCACTGATTATATAACACCTTGGCAG
CTATCTCAAGTCGTTGATGGAGGAGGTATTGGAATTATAGAAGAAAGCAAACACACAAAATTTGACTAAA
GGCGATTTTGTGACTTCTTTCTATTGGCCCTGGCAAACCAAGGTATTCTGGATGGAAATAGCCTTGAA
AAGGTAGACCCACAACCTTGTGGATGGACACCTTTCATATTTTCTTGGAGCTATAGGTATGCCTGGTTTG
ACTTCCTTGATTGGGATACAGGAAAAAGGTCATATAACTGCTGGATCTAATAAGACAATGGTTGTCAGT
GGGCGCCGAGGTGCCTGTGGATCTGTGGCTGGGCAGATTGGCCATTTCTTAGGTTGTTCCAGAGTGGTG
GGAATTTGTGGAACACATGAGAAATGCATCCTCTTGACCTCAGAACTGGGCTTTGATGCTGCAATTAAT
TATAAAAAAGACAATGTGGCAGAACAGCTCCGTGAATCATGCCAGCTGGAGTGGATGTTATTTTGGAC
AATGTTGGTGGTAACATCAGTGATACAGTGATAAGTCAGATGAATGAGAACAGCCACATCATCCTGTGT
GGTCAAATTTCTCAGTACAACAAAGATGTGCCTTATCCTCCCCGCTATCCCCTGCTATAGAGGCAATC
CAGAAAAGAAAGAAACATCACAAGGGAAAGATTTCTGGTATTAATTAAGACAATTTGAGCCTGGC
ATTCTACAGCTGAGTCAGTGGTTTAAAGAAGGAAAGCTAAAGATTAAGAGACGGTAATAAATGGGTTG
GAAAACATGGGAGCTGCATTCCAGTCCATGATGACAGGAGGTAACATTGGAAAGCAGATAGTTTGCATT
TCAGAAGAAATCTCTTTGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001146154



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Insert Size:	1056 bp
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:	NM_001146154.1
RefSeq Size:	2520 bp
RefSeq ORF:	1056 bp
Locus ID:	145482
UniProt ID:	Q8N8N7
Cytogenetics:	14q24.3
Protein Families:	Druggable Genome
MW:	38.5 kDa
Gene Summary:	<p>This gene encodes an enzyme involved in the metabolism of prostaglandins. The encoded protein catalyzes the NADPH-dependent conversion of 15-keto-prostaglandin E2 to 15-keto-13,14-dihydro-prostaglandin E2. This protein may also be involved in regulating activation of the peroxisome proliferator-activated receptor. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein. 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>