

Product datasheet for **SC320842**

Renalase (RNLS) (NM_001031709) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Renalase (RNLS) (NM_001031709) Human Untagged Clone
Tag:	Tag Free
Symbol:	Renalase
Synonyms:	C10orf59; RENALASE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001031709.1
GCGGATCGCTGCCCTCTCGCCATGGCGCAGGTGCTGATCGTGGGCGCCGGGATGACAG
GAAGCTTGTGCGCTGCGCTGCTGAGGAGGCAGACGTCGGTCCCTGTACCTTGTGTGT
GGGACAAGGCTGACGACTCAGGGGAAGAATGACTACAGCCTGCAGTCCTATAATCCTC
AGTGACAGCTGACTTGGGTGCTCAGTACATCACCTGCACTCCTCATTATGCCAAAAAC
ACCAACGTTTTTATGATGAACTGTTAGCCTATGGCGTTTTGAGGCCTCTAAGCTCGCCTA
TTGAAGGAATGGTATGAAAGAAGGAGACTGTAACCTTGTGGCACCTCAAGGAATTTCTT
CAATTATTAAGCATTACTTAAAAGAATCAGGTGCAGAAGTCTACTTCAGACATCGTGTGA
CACAGATCAACCTAAGAGATGACAAATGGGAAGTATCCAAACAAACAGGCTCCCTGAGC
AGTTTGATCTTATTGTTCTCACAATGCCAGTTCCTGAGATTCTGCAGCTCAAGGTGACA
TCACCACCTTAATTAGTGAATGCCAAAGGCAGCAACTGGAGGCTGTGAGCTACTCCTCTC
GATATGCTCTGGGCTCTTTTATGAAGCTGGTACGAAGATTGATGTCCCTTGGGCTGGGC
AGTACATCACCAGTAATCCCTGCATACGCTTCGCTCCATTGATAATAAGAAGCGCAATA
TAGAGTCATCAGAAATGGGCCTTCCCTCGTGATTACACCAGTGTCCATTTGGAGTTA
CATACTTGAACACAGCATTGAGGATGTGCAAGAGTAGTCTTCCAGCAGCTGGAAAAACA
TTTTGCCGGGTTTGCCTCAGCCAATTGCTACCAAAATGCCAAAAATGGAGACATTCACAGG
TTACAAATGCTGCTGCCAACTGCTGGCCAAATGACTCTGCATCACAAACCTTTCTTG
CATGTGGAGGGGATGGATTTACTCAGTCCAACCTTGTGCTGCATCATTCTCTATATGTGT
ATTGGGTTTTTATTTTCACAATTTTCTGTTATTGATTATTTTGTCTATTTTGTCTAAG
AAAAATTACTGGAATTTGTTCTTCACTTATTATCATTTTTCTGTTGAGTATAAAATCA
ATTTTGAATTTTATAGTTACAACCCATGCTAGAATGGAAATCCTCACACCTTGACC
TTCCCTACTTTTCTGAATTGCTATGACTACTCCTTGTGGAGGAAAAGTGGTACTTAAAA
AATAACAAACGACTCTCTCAAAAAAATTACATTAATCACAATAACAGTTTGTATGCCAA
AACTTGATTATCCTTATGAAAATTTCAATTCTGAATAAAGAATAATCACATTATCAAAG
CCCCATCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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Restriction Sites:	Please inquire
ACCN:	NM_001031709
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_001031709.1</u> , <u>NP_001026879.1</u>
RefSeq Size:	1477 bp
RefSeq ORF:	1029 bp
Locus ID:	55328
UniProt ID:	<u>Q5VYX0</u>
Cytogenetics:	10q23.31
Protein Families:	Secreted Protein
Gene Summary:	<p>Renalase is a flavin adenine dinucleotide-dependent amine oxidase that is secreted into the blood from the kidney (Xu et al., 2005 [PubMed 15841207]).[supplied by OMIM, Mar 2008]</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>