

Product datasheet for SC201356

ALAS1 (NM_000688) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ALAS1 (NM_000688) Human 3' UTR Clone
Symbol:	ALAS1
Synonyms:	ALAS; ALAS-H; ALAS3; ALASH; MIG4
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000688
Insert Size:	177 bp
Insert Sequence:	<p>>SC201356 3'UTR clone of NM_000688</p> <p>The sequence shown below is from the reference sequence of NM_000688. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p> <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC TTGAGCAAGTTGGTATCTGCTCAGGCCGAGCATGACCTCAATTATTTCACTTAACCCAGGCCATTAT CATATCCAGATGGTCTTCAGAGTTGTCTTTATATGTGAATTAAGTTATATTAATTTTAATCTATAGTA AAACATAGTCTGGAAATAAATTCTTGCTTAAATGGTG ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG </pre>
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_000688.6</u>


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Summary:	This gene encodes the mitochondrial enzyme which is catalyzes the rate-limiting step in heme (iron-protoporphyrin) biosynthesis. The enzyme encoded by this gene is the housekeeping enzyme; a separate gene encodes a form of the enzyme that is specific for erythroid tissue. The level of the mature encoded protein is regulated by heme: high levels of heme down-regulate the mature enzyme in mitochondria while low heme levels up-regulate. A pseudogene of this gene is located on chromosome 12. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2015]
Locus ID:	211
MW:	6.8