

Product datasheet for **SC327151**

ALS (IGFALS) (NM_001146006) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ALS (IGFALS) (NM_001146006) Human Untagged Clone
Tag:	Tag Free
Symbol:	IGFALS
Synonyms:	ACLSL; ALS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



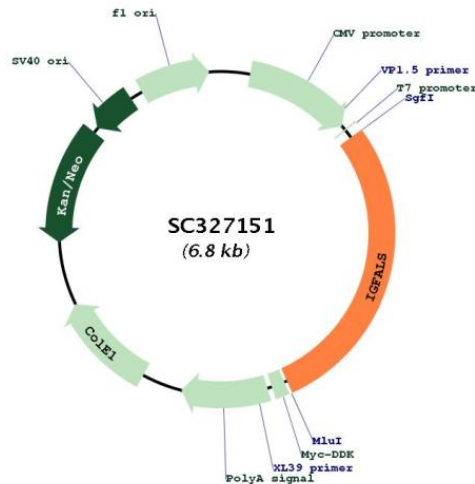
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Fully Sequenced ORF: >SC327151 representing NM_001146006.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCCCTGAGGAAAGCGGGTGACCTCGAGCCTCAGTTCACACCTGAGCGCCGCTTCCGGCTGTGCTGG
TATCAGGCTCACTCGGGCAGAGCCCTCCTCGGGCCGCTCCCAAGCCTCTCCCCCGCAGGAGGCCTG
GCCCTGGCGCTGCTGCTGTCTGGTGGCACTGGGCCCCCGCAGCCTGGAGGGAGCAGACCCGGGA
ACGCCGGGGAAGCCGAGGGCCAGCGTCCCGCCGCTGTGTCTGCAGCTACGATGACGACGCGGAT
GAGCTCAGCGTCTTCTGCAGCTCCAGGAACCTCACGCGCCTGCCTGATGGAGTCCCGGGCGCACCCAA
GCCCTGTGGTGGACGGCAACAACCTCTCGTCCGTCCTCCCGGCAGCCTTCCAGAACCTCTCCAGCCTG
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CTGTGCCACCTGCACCTGGAGCGGAACAGCTGCGCAGCCTGGCACTCGGCACGTTTGCACACACGCC
GGCTGGCCTCGCTCGGCTCAGCAACAACCGTCTGAGCAGGCTGGAGGACGGGCTTTCGAGGGCTC
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CGCATCCGCCCGCACACCTTACCGGCCTCCTGGGCTCCGCGACTTCTCTCAAGGACAACGGCTC
GTGGGCATTGAGGAGCAGAGCCTGTGGGGCTGGCGGAGCTGCTGGAGCTCGACCTGACCTCCAACCCAG
CTCACGCACCTGCCCCACCGCTTCCAGGGCTGGGCAAGCTGGAGTACCTGTGCTCTCCCGCAAC
CGCCTGGCAGAGCTGCCGGCGGACGCCCTGGGCCCTGCAGCGGGCTTCTGGTGGACGCTCTGCAC
AACCGCTGGAGGATTGCCAACAGCCTTGGCACCCTGGGGCGGCTGCGTACCTCAGCCTCAGG
AACAACTCACTGCGGACCTTACGCGCAGCCCCGGGCTGGAGCGCTGTGGCTGGAGGGTAACCC
TGGGACTGTGGTGCCTCTCAAGGCGCTGCGGACTTCCGCTGCAGAACCCAGTGTGTGCCCGC
TTCGTCCAGGCCATCTGTGAGGGGACGATTGCCAGCCCGCGGTACACCTACAACAACATCACCTGT
GCCAGCCCGCCGAGGTGCTGGGCTCGACCTGCGGGACCTCAGCGAGGCCCACTTTGCTCCCTGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001146006

Insert Size: 1932 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:

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_001146006.1](#)

RefSeq Size: 2282 bp

RefSeq ORF: 1932 bp

Locus ID: 3483

UniProt ID: [P35858](#)

Cytogenetics: 16p13.3

Protein Families: Druggable Genome, Secreted Protein

MW: 70.2 kDa

Gene Summary: The protein encoded by this gene is a serum protein that binds insulin-like growth factors, increasing their half-life and their vascular localization. Production of the encoded protein, which contains twenty leucine-rich repeats, is stimulated by growth hormone. Defects in this gene are a cause of acid-labile subunit deficiency, which manifests itself in a delayed and slow puberty. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1).