

Product datasheet for **SC206547**

ISCU (NM_014301) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	ISCU
Synonyms:	2310020H20Rik; HML; hnifU; ISU2; NIFU; NIFUN
Mammalian Cell	Neomycin
Selection:	
Vector:	pMirTarget (PSI00062)
ACCN:	NM_014301
Insert Size:	514 bp
Insert Sequence:	<p>>SC206547 3'UTR clone of NM_014301</p> <p>The sequence shown below is from the reference sequence of NM_014301. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p> <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC CCCAAAAAAGGAGAGGCAGAGAAGAAAAGAGCCCTCCCTCGGCGAAGCCTCCAGCAGGCCACACCAGCT GTTTCCACCTGCTGTGCAGTCACCTTAGATGTTTCAGAAAGCCGCTTCCTCTCCACTGAAGAGCTATGAG ATACGCACAATACTTGCTGTTACGTTATGACTCTCATGCAAGCAAAATACACAGTTTCATTGTTCTGA ATCCTGTGGTTTCTTTACGCCCACTTTTATCGCCTTAACCTAGTTAATGTATATTTTGAATTGTGTGA TGACCTCAGAACTGAAATTGATAATGAAGTTGCAAGTTTGTAGCCCGTGAAGTGCATAAGTATCTAA TTTTACCTGAATTGATTGGGGGGAAATTACAGTAGAATGCCTTGGTCTGAATATTTGATAGAACCAA TTGTTGTACATAAACAGATTGCGCATATATATATGTATAAAAAATAATAAATAATGGAAGATGAT GGTGTCTCTAGTAAAAAAAAAAAAAAAAAAAA ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG </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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_014301.4</u>
Summary:	This gene encodes a component of the iron-sulfur (Fe-S) cluster scaffold. Fe-S clusters are cofactors that play a role in the function of a diverse set of enzymes, including those that regulate metabolism, iron homeostasis, and oxidative stress response. Alternative splicing results in transcript variants encoding different protein isoforms that localize either to the cytosol or to the mitochondrion. Mutations in this gene have been found in patients with hereditary myopathy with lactic acidosis. A disease-associated mutation in an intron may activate a cryptic splice site, resulting in the production of a splice variant encoding a putatively non-functional protein. A pseudogene of this gene is present on chromosome 1. [provided by RefSeq, Feb 2016]
Locus ID:	23479
MW:	19.6