

Product datasheet for **SC204768**

C11orf73 (HIKESHI) (NM_016401) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	C11orf73 (HIKESHI) (NM_016401) Human 3' UTR Clone
Symbol:	C11orf73
Synonyms:	C11orf73; HLD13; HSPC138; HSPC179; L7RN6; OPI10
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_016401
Insert Size:	335 bp
Insert Sequence:	>SC204768 3'UTR clone of NM_016401 The sequence shown below is from the reference sequence of NM_016401. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site
	GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC GCACAGAACCCCTCTCTTTGGAAAACA TA TTTGAATAAAATAATTTTAAATGGATTCTGAAATTTGTC ATGTTTTGAAGATAACTGACTCCATCTAAAAGTATGAGGTCAAAGGATCACGAAACCTAAGTTTAAAAA CTGCTTAGAGACTGAAGCTTAATTAATAAAATCTTTATTAATAAAATTAATAAACATTGAAAAATGAAAAATG TTCATCATTAAGACTTTTTTCCCTTAAGCTTAAAATACCATTCAAAGGCAAGACATTTTGTGTTTGGC TATGATTCATTTTTTTACTTAAAAATAAACCTATACCAACAGTAGTGTGCCAAGTA ACGCGT AAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-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_016401.4</u>



[View online »](#)

Summary:

This gene encodes an evolutionarily conserved nuclear transport receptor that mediates heat-shock-induced nuclear import of 70 kDa heat-shock proteins (Hsp70s) through interactions with FG-nucleoporins. The protein mediates transport of the ATP form but not the ADP form of Hsp70 proteins under conditions of heat shock stress. Structural analyses demonstrate that the protein forms an asymmetric homodimer and that the N-terminal domain consists of a jelly-roll/beta-sandwich fold structure that contains hydrophobic pockets involved in FG-nucleoporin recognition. Reduction of RNA expression levels in HeLa cells using small interfering RNAs results in inhibition of heat shock-induced nuclear accumulation of Hsp70s, indicating a role for this gene in regulation of Hsp70 nuclear import during heat shock stress. [provided by RefSeq, Apr 2016]

Locus ID:

51501

MW:

13.4