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Product datasheet for SC306449

HSFY1 (NM_152584) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSFY1 (NM_152584) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSFY1
Synonyms:	HSF2L; HSFY
Vector:	pCMV6 series
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152584, the custom clone sequence may differ by one or more nucleotides ATGGCACATGTTTCTTCAGAAACTCAAGATGTTTCCCCCAAAGATGAATTAACTGCTTCA GAAGCCTCCACTAGGTCTCCATTGTGTGAACACACCTTCCCTGGGGACTCAGACTTACGG TCAATGATTGAAGAACATGCTTTTCAGGTTTTGTCACAAGGATCCTTGTTAGAAAGTCCA AGTTACACAGTTTGTGTCTCTGAGCCAGATAAAGATGATGATTTTCTTTCTCTGAACTTT CCCAGGAAACTTTGGAAAATAGTGGAAAGTGACCAATTCAAGTCTATTTCATGGGATGAG AATGGAACTTGCATAGTGATTAATGAAGAACTCTTCAAGAAAGAAATTTTGGAAACAAAG GCTCCTTACAGAATATTTCAAACTGATGCTATCAAAAGTTTTGTTCGACAGCTCAACCTT TATGGATTTAGTAAAATTCAACAGAATTTTCAAAGATCTGCCTTTCTAGCCACCTTTCTG TCAGAAGAGAAAGAATCGTCTGTCTTAAGCAAGATACGCTTCACCAAAATGAAACTTTCC AGATCTTCAACTTATGAAAACAGGTATTTATGTTGCAACTTACATTTAAAAGATGAGTCG AATTACTCATAA
Restriction Sites:	Please inquire
ACCN:	NM_152584
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).

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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_152584.1, NP_689797.1
RefSeq Size:	1058 bp
RefSeq ORF:	612 bp
Locus ID:	86614
UniProt ID:	Q96LI6
Cytogenetics:	Yq11.222
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a member of the heat shock factor (HSF) family of transcriptional activators for heat shock proteins. This gene is a candidate gene for azoospermia, since it localizes to a region of chromosome Y that is sometimes deleted in infertile males. The genome has two identical copies of this gene within a palindromic region; this record represents the more centromeric copy. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (2) includes a different exon in the 3' coding region, resulting in a frameshift and earlier termination codon, compared to variant 1. The resulting isoform (2) is shorter and has a distinct C-terminus compared to isoform 1. Isoform 2 lacks the HFS-type DNA-binding domain found in isoform 1.