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Product datasheet for SC126887

HSPA14 (NM_016299) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSPA14 (NM_016299) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSPA14
Synonyms:	HSP70-4; HSP70L1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene ORF within SC126887 sequence for NM_016299 edited (data generated by NextGen Sequencing)

ATGGCGGCCATCGGAGTTCACCTGGGCTGCACCTCAGCCTGTGTGGCCGTCTATAAGGAT
GGCCGGGCTGGTGTGGTTGCAAATGATGCCGGTGACCGAGTTACTCCAGCTGTTGTTGCT
TACTCAGAAAATGAAGAGATTGTTGGATTGGCAGCAAAACAAAGTAGAATAAGAAATATT
TCAAATACAGTAATGAAAGTAAAGCAGATCCTGGGCAGAAGCTCCAGTGATCCACAAGCT
CAGAAATACATCGCGGAAAGTAAATGTTTAGTCATTGAAAAAAATGGGAAATTACGATAT
GAAATAGATACTGGAGAAGAAACAAAATTTGTTAACCCAGAAGATGTTGCCAGACTGATA
TTTAGTAAAATGAAAGAAACGGCACATTCTGTATTGGGCTCAGATGCAAATGATGTAGTT
ATTACTGTCCCGTTTGATTTTGGAGAAAAGCAAAAAAATGCTCTTGGAGAAGCAGCTAGA
GCTGCTGGATTTAATGTTTTGCGATTAATTCACGAACCGTCTGCAGCTCTTCTTGCTTAT
GGAATTGGACAAGACTCCCCTACTGGAAAAAGCAATATTTTGGTGTTTAAGCTTGGAGGA
ACATCCTTATCTCTCAGCGTCATGGAAGTTAACAGTGGAATATATCGGGTTCTTTCAACA
AACACTGATGATAACATCGGTGGTGCACATTTCACAGAAACCTTAGCACAGTATCTAGCT
TCTGAGTTCCAAAGATCCTTCAAACATGATGTGAGAGGAAATGCGCGAGCCATGATGAAA
TTAACGAACAGTGCTGAAGTAGCGAAACATTCTTTGTCAACCTTGGGAAGTGCCAACTGT
TTTCTTGACTCATTATATGAAGGTCAAGATTTTGATTGCAATGTGTCCAGAGCAAGATTT
GAACTTCTTTGTTCTCCACTTTTTAATAAGTGTATAGAAGCAATCAGAGGACTCTTAGAT
CAAAATGGATTTACAGCAGATGATATCAACAAGGTTGTCCTTTGTGGAGGGTCTTCTCGA
ATCCCAAAGCTACAGCAACTGATTAAAGATCTTTTCCCAGCTGTTGAGCTTCTCAATTCT
ATCCCTCCTGATGAAGTGATCCCTATTGGTGCAGCTATAGAAGCAGGAATTCTTATTGGG
AAAGAAAACCTGTTGGTGGAAGACTCTCTTATGATAGAGTGTTCAGCCAGAGATATTTTA
GTTAAGGGTGTGGACGAATCAGGAGCCAGTAGATTCACAGTGCTGTTTCCATCAGGGACT
CCTTTGCCAGCTCGAAGACAACACACATTGCAAGCCCCTGGAAGCATATCTTCAGTGTGC
CTTGAACTCTATGAGTCTGATGGGAAGAACTCTGCCAAAGAGGAAACCAAGTTTGCACAG
GTTGTACTCCAGGATTTAGATAAAAAAGAAAATGGATTACGTGATATATTAGCTGTTCTT
ACTATGAAAAGGGATGGATCTTTACATGTGACATGCACAGATCAAGAAACTGGAAAATGT
GAAGCAATCTCTATTGAGATAGCATCTTAG

Clone variation with respect to NM_016299.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016299 unedited

GTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGGTGAAGCTCCGCGGTGC
CTGATGGGGCCGTTGGGCGGCCGGTAGCTGTTGCTGTTGGGGGACCCCCTCATTCCTGCC
GCTGCCGTCCCTGCTGCCTCATGGCGGCCATCGGAGTTCACCTGGGCTGCACCTCAGCCT
GTGTGGCCGTCTATAAGGATGGCCGGGCTGGTGTGGTTGCAAATGATGCCGGTGACCGAG
TTACTCCAGCTGTTGTTGCTTACTCAGAAAATGAAGAGATTGTTGGATTGGCAGCAAAAC
AAAGTAGAATAAGAAATATTTCAAATACAGTAATGAAAGTAAAGCAGATCCTGGGCAGAA
GCTCCAGTGATCCACAAGCTCAGAAATACATCGCGGAAAGTAAATGTTTAGTCATTGAAA
AAAATGGGAAATTACGATATGAAATAGATACTGGAGAAGAAACAAAATTTGTTAACCCAG
AAGATGTTGCCAGACTGATATTTAGTAAAATGAAAGAAACGGCACATTCTGTATTGGGCT
CAGATGCAAATGATGTAGTTATTACTGTCCCGTTTGATTNTGGAGAAAAGCAAAAAAATG
CTCTTGGAGAAGCAGCTAGAGCTGCTGGATTTAATGTTTTGCGATTAATTCACGAACCGT
CTGCAGCTCTTCTTGCTTATGGGAATNGGACAGACTCCCCTACTGGAAAAAAGCATATTT
TGGGTGTTTAAGCTTGGANGAACATCCTTATCTCTCAGCGTCATGGAAGTTAACCAGTGG
AATATATCCGGTTCTTTCACANACACTGATGATACATCCGTGGTGCCATTTCACAGAAAC
CTTACACAGTATCTAGCTTTCTGAGTCCAAGATCCTCAAACTGATGTGAGAGGAATGCCC
GAGCCTGATGAAATACCGACGTGCTGAGTAGCGAACATTCTTTGCACCTGGNAATG

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_016299 unedited
GTCCGCGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTACTGATATATTGTAGT
TTAATAAAACATAGTTTATACAGTTCATTGAAAAAGTATTTTAATACAAACACCACTTAT
ACACAAAACCAAATGTTGATATTCTTGTTTTTAAAAATTCTTGATTTCTCTAAAACACTA
AGATGCTATCTCAATAGAGATTGCTTCACATTTTCCAGTTTCTTGATCTGTGCATGTCAC
ATGTAAAGATCCATCCCTTTTCATAGTAAGAACAGCTAATATATCACGTAATCCATTTTC
TTTTTTATCTAAATCCTGGAGTACAACCTGTGCAAACTTGGTTTCCTCTTTGGCAGAGTT
CTTCCCATCAGACTCATAGAGTTCAAGGCACACTGAAGATATGCTTCCAGGGGCTTGCAA
TGTGTGTTGTCTTCGAGCTGGCAAAGGAGTCCCTGATGGAAACAGCACTGTGAATCTACT
GGCTCCTGATTCGTCCACACCCTTAACTAAAATATCTCTGGCTGAACACTCTATCATAAG
AGAGTCTTCCACCAACAGGTTTTCTTTCCCAATAAGAATTCCTGCTTCTATAGCTGCACC
AATAGGGATCACTTCATCAGGAGGGATAGAATTGAGAAGCTCAACAGCTGGGAAAAGATC
TTTAATCAGTTGCTGTAGCTTTGGGATTCGAGAAGACCCTNCACAAAGGACAACCTTGTT
GATATCATCTGCTGTAAATCCATTNTGATCTAAGAGTCCTCTGATTGCTTCTATACACTT
ATTAAAAAGTGGAGAACAAGAAGTTCAAATCTTGCTCTGGACACATTNGCATCAAATCTT
GACCTTCATATATGAGTCAAGAAACAGTTGCCACTTCCAAGGTGACAAAGATGTTCGCTA
CTCAGCACTGTTCGTATTCATCATGCTCGGCATTTCTTCCATATGTTTGAGATCTTGAAC
TACAACTAAACTGGCTAAGTTCTGGA
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Restriction Sites: NotI-NotI

ACCN: NM_016299

Insert Size: 1750 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).

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_016299.1, NP_057383.1

RefSeq Size: 1740 bp

RefSeq ORF: 1530 bp

Locus ID: 51182

UniProt ID: Q0VDF9

Cytogenetics: 10p13

Domains: HSP70

Protein Families: Druggable Genome, Stem cell - Pluripotency

Gene Summary: Component of the ribosome-associated complex (RAC), a complex involved in folding or maintaining nascent polypeptides in a folding-competent state. In the RAC complex, binds to the nascent polypeptide chain, while DNAJC2 stimulates its ATPase activity.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longer protein (isoform 1).