

Product datasheet for **RC207195**

HSPA4L (NM_014278) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSPA4L (NM_014278) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HSPA4L
Synonyms:	APG-1; APG1; HSPH3; Osp94
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC207195 representing NM_014278
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

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Protein Sequence: >RC207195 representing NM_014278
Red=Cloning site Green=Tags(s)

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MSVVGIDLGFLNCYIAVARSGGIETIANEYSDRCTPACISLGSRTAIGNAAKSQIVTNVRNTIHGFKKL  
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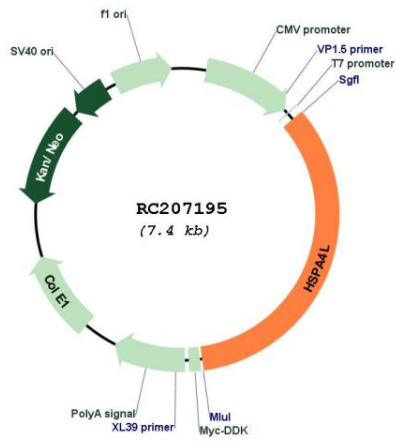
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8113_c12.zip

Restriction Sites: Sgfl-Mlul

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_014278.4
RefSeq Size:	3284 bp
RefSeq ORF:	2520 bp
Locus ID:	22824
UniProt ID:	O95757
Cytogenetics:	4q28.1
Domains:	HSP70
MW:	94.3 kDa
Gene Summary:	The protein encoded by this gene is heat shock inducible and may act as a chaperone. The encoded protein can protect the heat-shocked cell against the harmful effects of aggregated proteins. This gene is highly expressed in leukemia cells and may be a good target for therapeutic intervention. Several transcripts encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2015]

Product images:



Circular map for RC207195