

Product datasheet for **SC108810**

GRP94 (HSP90B1) (NM_003299) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRP94 (HSP90B1) (NM_003299) Human Untagged Clone
Tag:	Tag Free
Symbol:	GRP94
Synonyms:	ECGP; GP96; GRP94; HEL-S-125m; HEL35; TRA1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC108810 sequence for NM_003299 edited (data generated by NextGen Sequencing)

```

ATGAGGGCCCTGTGGGTGCTGGGCCTCTGCTGCGTCTGCTGACCTTCGGGTCGGTCAGA
GCTGACGATGAAGTTGATGTGGATGGTACAGTAGAAGAGGATCTGGGTAAGTAGAGAA
GGATCAAGGACGGATGATGAAGTAGTACAGAGAGAGGAAGAAGCTATTCAGTTGGATGGA
TTAAATGCATCACAATAAGAGAACTTAGAGAGAAGTCGGAAGTTTGCCTTCCAAGCC
GAAGTTAACAGAATGATGAACTTATCATCAATTCATTGTATAAAAAATAAGAGATTTTC
CTGAGAGAACTGATTTCAAATGCTTCTGATGCTTTAGATAAAGATAAAGGCTAATATCACTG
ACTGATGAAAATGCTCTTTCTGGAAATGAGGAACTAACAGTCAAAATTAAGTGTGATAAG
GAGAAGAACCCTGCTGCATGTACAGACACCGGTGTAGGAATGACCAGAGAAGAGTTGGTT
AAAAACCTTGGTACCATAGCCAAATCTGGGACAAGCGAGTTTTTAAACAAAATGACTGAA
GCACAGGAAGATGGCCAGTCAACTTCTGAATTGATTGGCCAGTTTGGTGTGCGTTTCTAT
TCCGCCTTCTTTAGCAGATAAGGTTATTGTCACCTTCAAACACAACAACGATACCCAG
CACATCTGGGAGTCTGACTCCAATGAATTTTCTGTAATTGCTGACCCAAGAGGAAACACT
CTAGGACGGGAAACGACAATTACCCTTGTCTTAAAGAAGAAGCATCTGATTACCTTGAA
TTGGATACAATTAATAATCTCGTCAAAAAATATTCACAGTTCATAAACTTTCCTATTTAT
GTATGGAGCAGCAAGACTGAAACTGTTGAGGAGCCCATGGAGGAAGAAGAAGCAGCCAAA
GAAGAGAAAGAAGAACTCTGATGATGAAGCTGCAGTAGAGGAAGAAGAAGAAGAAAAGAAA
CCAAAGACTAAAAAGTTGAAAAAACTGTCTGGGACTGGGAACCTTATGAATGATATCAAA
CCAATATGGCAGAGACCATCAAAAGAAGTAGAAGAAGTGAATACAAAGCTTTCTACAAA
TCATTTTCAAAGAAAGTATGACCCCATGGCTTATATTCACCTTACTGCTGAAGGGGAA
GTTACCTTCAAATCAATTTTATTTGTACCCACATCTGCTCCACGTGGTCTGTTTGACGAA
TATGGATCTAAAAAGAGCGATTACATTAAGCTCTATGTGCGCCGTGATTCATCACAGAG
GACTTCCATGATATGATGCCTAAATACCTCAATTTTGTCAAGGGTGTGGTGGACTCAGAT
GATCTCCCTTGAATGTTTCCCGCAGACTCTTCAACATAAACTGCTTAAGGTGATT
AGGAAGAAGCTTGTTCGTAACGCTGGACATGATCAAGAAGATTGCTGATGATAAATAC
AATGATACTTTTTGGAAAGAATTTGGTACCAACATCAAGCTTGGTGTGATTGAAGACCAC
TCGAATCGAACACGTCTTGCTAAACTTCTTAGGTTCCAGTCTTCTCATCATCCAAGTAC
ATTACTAGCCTAGACCAGTATGTGGAAAGAATGAAGGAAAAACAAGACAAAATCTACTTC
ATGGCTGGGTCCAGCAGAAAAGAGGCTGAATCTTCTCCATTTGTTGAGCGACTTCTGAAA
AAGGGCTATGAAGTTATTTACCTCACAGAACCTGTGGATGAATACTGTATTCAGGCCCTT
CCCGAATTTGATGGGAAGAGGTTCCAGAATGTTGCCAAGGAAGGAGTGAAGTTTCGATGAA
AGTGAGAAAACCTAAGGAGAGTCGTGAAGCAGTTGAGAAAGAATTTGAGCCTCTGCTGAAT
TGGATGAAAGATAAAGCCCTTAAGGACAAGATTGAAAAGGCTGTGGTGTCTCAGCGCCTG
ACAGAATCTCCGTGTGCTTTGGTGGCCAGCCAGTACGGATGGTCTGGCAACATGGAGAGA
ATCATGAAAGCACAAGCGTACCAAACCGGCAAGGACATCTCTACAAATTAATATGCGAGT
CAGAAGAAAACATTTGAAATTAATCCCAGACACCCGCTGATCAGAGACATGCTTCGACGA
ATTAAGGAAGATGAAGATGATAAAACAGTTTTGGATCTTGCTGTGGTTTTGTTTGAACA
GCAACGCTTCGGTCAGGGTATCTTTACCAGACACTAAAGCATATGGAGATAGAATAGAA
AGAATGCTTCGCCTCAGTTTGAACATTGACCCTGATGCAAAGGTGGAAGAAGAGCCTGAA
GAAGAACCTGAAGAGACAGCAGAAGACACAACAGAAGACACAGAGCAAGCAGGAAGATGAA
GAAATGGATGTGGGAACAGATGAAGAAGAAGAAACAGCAAAGGAATCTACAGCTGAAAAA
GATGAATTGTAA
    
```

Clone variation with respect to NM_003299.1
2277 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003299 unedited
 TCAGAATTTTGTAAACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGCGCGGCT
 GGAGGTGTGAGGATCCGAACCCAGGGGTGGGGGTGGAGGCGGCTCCTGCGATCGAAGGG
 GACTTGAGACTCACCGGCCGCACGCCATGAGGGCCCTGTGGGTGCTGGGCCTCTGCTGCG
 TCCTGCTGACCTTCGGTTCGGTTCAGAGCTGACGATGAAGTTGATGTGGATGGTACAGTAG
 AAGAGGATCTGGTAAAAGTAGAGAAGGATCAAGGACGGATGATGAAGTAGTACAGAGAG
 AGGAAGAAGCTATTCAGTTGGATGGATTAATGCATCACAATAAGAGAAGCTTAGAGAGA
 AGTCGGAAGGTTGCTTCCAAGCCGAAGTTAACAGAATGATGAACTTATCATCAATT
 CATTGTATAAAAAATAAGAGATTTTCTGAGAGAACTGATTTCAAATGCTTCTGATGCTT
 TAGATAAGATAAGGCTAATATCACTGACTGATGAAAATGCTCTTTCTGGAATGAGGAAC
 TAACAGTCAAAATTAAGTGTGATAAGGAGAAGAACCTGCTGCATGTCACAGACACCGGTG
 TAGGAATGACCAGAGAAGAGTTGGTTAAAAACCTTGGTACCATAGCCAAATCTGGGACAA
 GCGAGTTTTTAAACAAAATGACTGAAGCACAGGAAGATGGCCAGTCAACTTCTGAATTGA
 TTGGCCAGTTGGGTGTCGGTTTCTATTCCGCCTTCTTGTAGCAGATAAGGTTATTGTC
 ACTTCAAAAACACAACGATACCCAGACATCTGGGAGTCTGACTCCATGAATTNTCTGTAT
 TGCTGACCAGAGGAACACTCTAGACGGGAACGNACATACCTTGTCTTAAAGAGAGCTCT
 GATACCTTGATNGGATACATAAACTCGCAAAATATCCAGTNATAACTTTCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003299 unedited
 NANGATCGAGTT
 TTTTTTTTATTGGGGATCTTTTTATTTTATCCCCTGACAGGTTTTTCCCTCAAGAAT
 AGCCCGTTAAATAGTCCAAATTTCCCTTCTTGGGGAATGTTAAAAAAATTCACCTAAAA
 ACCCCCCTTTTTCTGGGCCCCATAACCCCCTTTTTACAGGGCAGGGGAAAAGGGGTTT
 AGGGGGCATCCAAAACAAGTTTTTCCCAAAAAAAAGGGTGTAATTTTCATTCCTCC
 CCACCCGGATCCAAAGGGGGGGGTTAATTTCCAATTCATTTTTTTCAGCGGGAGATC
 CCTTGGGGGTTCTTCTTTTTCATCGGGCCCCCATCCATTTTTTCATCTTCGTCTGGCT
 CGGGGGCTTCGGGGGGGCTTCGGGGGGCTTTTCAGGTTCTTTTTCAGGCTTTTTTCCA
 CCTTTCATCGGGGGCAATGTTCAAACCTGGGGGGAAGCATTCTTTCTTTTCTATCCCCAT
 ATGCTTTAGGGGCGGGAAAAAAATACCTGCCCCAAGCGTTGCTGTTTCAAACAAAACCC
 CGGCAGTTCCAAAACCTGGTTTATCATCTTACCTTCTTAATTGCCCCAACCATGTTTTT
 TGATCAGCGGGGTCTGGGATTAATTTACAAGGGTTTTCTTCTGACTCCCATAGTAATTT
 GGAAAAAATTCCTTGCCGTTTACCCCTGGGCCTTCAGGATCTCTCCTGGGGCCGCA
 CACTCCGTGCGCGTGGCCCCACAGCCCCGAAATTTTGGTTCGGGCCTGAACCCCCACCT
 TTTAATCTTGGCCTTAGGGT

Restriction Sites:

ECoRI-NOT

ACCN:

NM_003299

Insert Size:

2750 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:	<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_003299.1 , NP_003290.1
RefSeq Size:	2780 bp
RefSeq ORF:	2412 bp
Locus ID:	7184
UniProt ID:	P14625
Cytogenetics:	12q23.3
Domains:	HSP90, HATPase_c
Protein Families:	Druggable Genome
Protein Pathways:	NOD-like receptor signaling pathway, Pathways in cancer, Prostate cancer
Gene Summary:	This gene encodes a member of a family of adenosine triphosphate(ATP)-metabolizing molecular chaperones with roles in stabilizing and folding other proteins. The encoded protein is localized to melanosomes and the endoplasmic reticulum. Expression of this protein is associated with a variety of pathogenic states, including tumor formation. There is a microRNA gene located within the 5' exon of this gene. There are pseudogenes for this gene on chromosomes 1 and 15. [provided by RefSeq, Aug 2012]