

Product datasheet for **RG209563**

GRP94 (HSP90B1) (NM_003299) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GRP94 (HSP90B1) (NM_003299) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GRP94
Synonyms:	ECGP; GP96; GRP94; HEL-S-125m; HEL35; TRA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG209563 representing NM_003299
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGGGCCCTGTGGGTGCTGGGCTCTGCTGCGTCTGCTGACCTTCGGGTCGGTCAGAGCTGACGATG
AAGTTGATGTGGATGGTACAGTAGAAGAGGATCTGGGTAAAAGTAGAGAAGGATCAAGGACGGATGATGA
AGTAGTACAGAGAGAGGAAGAAGCTATTCAAGTTGGATGGATTAATGCATCACAAATAAGAGAAGCTTAGA
GAGAAGTCGGAAGTTTGCCTTCCAAGCCGAAGTTAACAGAATGATGAACTTATCATCAATTCATTGT
ATAAAAAAAAGAGATTTTCTGAGAGAACTGATTTCAAATGCTTCTGATGCTTTAGATAAGATAAGGCT
AATATCACTGACTGATGAAAATGCTCTTTCTGGAAATGAGGAACTAACAGTCAAATTAAGTGTGATAAG
GAGAAGAAGCTGCTGCATGTCACAGACACCGGTGAGGAATGACCAGAGAAGAGTTGGTTAAAAACCTTG
GTACCATAGCCAAATCTGGGACAAGCGAGTTTTAAACAAAATGACTGAAGCACAGGAAGATGGCCAGTC
AACTTCTGAATTGATTGGCCAGTTTGGTGTGCGTTTCTATTCCGCCTTCCTGTAGCAGATAAGGTTATT
GTCACTTCAAACACAACACGATACCCAGCACATCTGGGAGTCTGACTCCAATGAATTTCTGTGAATTG
CTGACCCAAGAGGAAACACTCTAGGACGGGAAACGACAATTACCTTGTCTTAAAAGAAGAAGCATCTGA
TTACCTTGAATTGGATACAATTAATAATCTCGTCAAAAAATTCACAGTTCATAAACTTTCCTATTTAT
GTATGGAGCAGCAAGACTGAAACTGTTGAGGAGCCCATGGAGGAAGAAGAAGCAGCCAAAGAAGAGAAAAG
AAGAATCTGATGATGAAGCTGCAGTAGAGGAAGAAGAAGAAAAGAAACCAAGACTAAAAAAGTTGA
AAAACTGTCTGGGACTGGGAAGTTATGAATGATCAACCAATATGGCAGAGACCATCAAAGAAGTA
GAAGAAGATGAATACAAAGCTTTCTACAATCATTTTCAAAGGAAAGTGTGACCCCATGGCTTATATTC
ACTTTACTGCTGAAGGGGAAGTTACCTTCAAATCAATTTTATTTGTACCCACATCTGCTCCACGTTGCT
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GACTTCCATGATATGATGCCTAAATACCTCAATTTTGTCAAGGGTGTGGTGGACTCAGATGATCTCCCT
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AACATCAAGCTTGGTGTGATTGAAGACCACTCGAATCGAACACGCTTGTCTAACTTCTTAGGTTCCAGT
CTTCTCATCATCAACTGACATTACTAGCCTAGACCAGTATGTGGAAAGAATGAAGGAAAAACAAGACAA
AATCTACTTCATGGCTGGTCCAGCAGAAAAGAGGCTGAATCTTCTCCATTTGTTGAGCGACTTCTGAAA
AAGGGCTATGAAGTTATTTACCTCACAGAACCTGTGGATGAATACTGTATTCAGGCCCTTCCCGAATTTG
ATGGGAAGAGGTTCCAGAATGTTGCCAAGGAAGGAGTGAAGTTCGATGAAAGTGAGAAAACCTAAGGAGAG
TCGTGAAGCAGTTGAGAAAGAATTTGAGCCTCTGCTGAATTGGATGAAAGATAAAGCCCTTAAGGACAAG
ATTGAAAAGGCTGTGGTGTCTCAGCGCCTGACAGAATCTCCGTGTGCTTTGGTGGCCAGCCAGTACGGAT
GGTCTGGCAACATGGAGAGAATCATGAAAGCACAAAGCGTACCAAACGGGCAAGGACATCTCTACAAATTA
CTATGCGAGTCAGAAGAAAACATTTGAAATTAATCCAGACACCCGCTGATCAGAGACATGCTTCGACGA
ATTAAGGAAGATGAAGATGATAAAACAGTTTTGGATCTTGTGTTGTTTGTAAACAGCAACGCTTC
GGTCAGGGTATCTTTACCAGACACTAAAGCATATGGAGATAGAATAGAAAGAATGCTTCGCCTCAGTTT
GAACATTGACCCTGATGCAAAGGTGGAAGAAGAGCCTGAAGAAGAACTGAAGAGACAGCAGAAGACACA
ACAGAAGACACAGAGCAAGACGAAGATGAAGAAATGGATGTGGGAACAGATGAAGAAGAAGAAACAGCAA
AGGAATCTACAGCTGAAAAGATGAATTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG209563 representing NM_003299
Red=Cloning site Green=Tags(s)

MRALWVLGLCCVLLTFGSVRADDEVDVDTVEEDLGKSREGSRTDDEVVQREEEAIQLDGLNASQIRELR
EKSEKFAFQAEVNRMMKLIINSLYKNKEIFLRELISNASDALDKIRLISLTDENALSGNEELTVKIKCDK
EKNLLHVTDTGVGMTREELVKNLGTIAKSGTSEFLNKMTEAQEDGQSTSELIGQFGVGFYS AFLVADKVI
VTSKHNDTQHIWESDSNEFSVIADPRGNTLGRGTTITLVLKKEASDYLELDTIKNLVKKYSQFINFPIY
VWSSKTETVEEPMEEEEAAKEEKEESDDEAAVEEEEEKKPKTKKVEKTVWDWELMNDIKPIWQRPSKEV
EEDEYKAFYKFSKESDDPMAYIHFTAEGEVTFKSILFVPTSAPRGLFDEYGSKKSDYIKLYVRRVFITD
DFHDMMPKYLNFYKGVVSDDDLPLNVSRETLQQHKLLKVIRKCLRKTLDMIKKIADDKYNDTFWKEFGT
NIKLVGIEDHSNRTRLAKLLRFQSSHPTDITSLDQYVERMKEKQDKIYFMAGSSRKEAESSPFVERLLK
KGYEVIYLTPEVDEYCIQALPEFDGKRQNVAKGKVFDESEKTKESREAVEKEFEPELLNWMKDKALKDK
IEKAVVSQRLTESPCALVASQYGWGSNMERIMKAQAYQTGKDISTNYYASQKKTFEINPRHPLIRDMLRR
IKEDDDKTVLDLAVVL FETATLRSGYLLPDTKAYGDRIERMLRSLNIDPDAKVEEEPEEPEETAEDT
TEDTEQDEDEEMDVGTDEEEETAKESTAEKDEL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

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_003299.1](#), [NP_003290.1](#)

RefSeq Size: 2780 bp

RefSeq ORF: 2412 bp

Locus ID: 7184

UniProt ID: [P14625](#)

Cytogenetics: 12q23.3

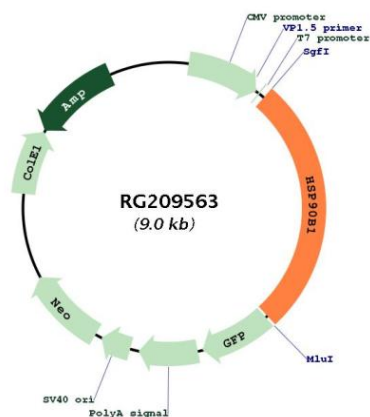
Domains: HSP90, HATPase_c

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]

Product images:



Circular map for RG209563