

Product datasheet for TP309563M

GRP94 (HSP90B1) (NM_003299) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human heat shock protein 90kDa beta (Grp94), member 1 (HSP90B1), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC209563 protein sequence Red=Cloning site Green=Tags(s) |

MRALWWLGLCCVLLTFGSVRADDEVDVDGTVEEDLGKSREGSRTDDEVVQREEEAIQLDGLNASQIRELR
EKSEKFAFQAEVNRMMKLIINSLYKNKEIFLRELISNASDALDKIRLISLTDENALSGNEELTVKIKCDK
EKNLLHVTDTGVGMTREELVKNLGTIAKSGTSEFLNKMTEAQEDGQSTSELIGQFVGFYSAFLVADKVI
VTSKHNNDTQHIWESDSNEFSVIADPRGNTLGRGTTITLVLKKEASDYLELDTIKNLVKKYSQFINFPIY
VWSSKTETVEEPMEEEEAAKEEESDDEAAVEEEEEKPKTKKVEKTVWDWELMNDIKPIWQRPSKEV
EEDEYKAFYKFSKESDDPMAYIHFTAEGEVTFKSILFVPTSAPRGLFDEYGSKSDYIKLYVRRVITD
DFHDMMPKYLNFVKGVDSDDLPLNVSRETLQGHKLLKVRKLVKRLTDMIKKIADDKYNDTFWKEFGT
NIKLGVIEDHSNRTRLAKLLRFQSSHPTDITSLDQYVERMKEKQDKIYFMAGSSRKEAESSPFVERLLK
KGYEVIYLTEPVDEYCIQALPEFDGKRFQNVAKEGVKFDESEKTKESREAVEKEFEPLLNWMKDKALKDK
IEKAVSQRLTESPCALVASQYGWSGNMERIMKAQAYQTGKDISTNYYASQKKTFEINPRHPLIRDMLRR
IKEDEDDKTVLDLAVVLFETATLRSGYLLPDTKAYGDRIERMLRSLNIDPDAKVEEEPEEEPEETAEDT
TEDTEQDEDEEMDVGTDEEEETAKESTA EKDEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

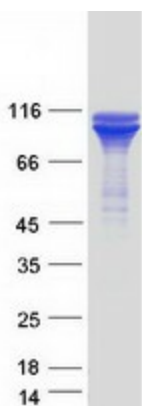
| | |
|----------------|------------------------------------------------------------------------------------------------------------------|
| Tag: | C-Myc/DDK |
| Predicted MW: | 90.1 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |



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| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_003290 |
| Locus ID: | 7184 |
| UniProt ID: | P14625 , V9HWP2 |
| RefSeq Size: | 2879 |
| Cytogenetics: | 12q23.3 |
| RefSeq ORF: | 2409 |
| Synonyms: | ECGP; GP96; GRP94; HEL-S-125m; HEL35; TRA1 |
| 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] |
| Protein Families: | Druggable Genome |
| Protein Pathways: | NOD-like receptor signaling pathway, Pathways in cancer, Prostate cancer |

Product images:



Coomassie blue staining of purified HSP90B1 protein (Cat# [TP309563]). The protein was produced from HEK293T cells transfected with HSP90B1 cDNA clone (Cat# [RC209563]) using MegaTran 2.0 (Cat# [TT210002]).