

Product datasheet for TP309563

GRP94 (HSP90B1) (NM_003299) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human heat shock protein 90kDa beta (Grp94), member 1 (HSP90B1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209563 protein sequence Red =Cloning site Green =Tags(s)

MRALWWLGLCCVLLTFGSVRADDEVDVDGTVEEDLGKSREGSRTDDEWQREEEAIQLDGLNASQIRELR
EKSEKFAFQAEVNRMMKLIINSLYKNKEIFLRELISNASDALDKIRLISLTDENALSGNEELTVKIKCDK
EKNLLHVTDGTGVMTREELVKNLGTIAKSGTSEFLNKMTEAQEDGQSTSELIGQFGVGFYSAFLVADKVI
VTSKHNNDTQHIWESDSNEFSVIADPRGNTLGRGTTITLVLKEEASDYLELDTIKNLVKKYSQFINFPIY
VWSSKTETVEEPMEEEEAAKEEESDDEAAVEEEEEKKPKTKKVEKTVVDWELMNDIKPIWQRPSKEV
EEDEYKAFYKFSKESDDPMAYIHFTAEGEVTFKSILFVPTSAPRGLFDEYGSKKSQDIKLYVRRVFITD
DFHDMMPKYLNFVKGWVDSDDLPLNVSRETLQQHKLLKLVIRKLVKRLTDMIKKIADDDKYNDTFWKEFGT
NIKLVGIEDHSNRTRLAKLLRFQSSHPTDITSLDQYVERMKEKQDKIYFMAGSSRKEAESSPFVERLLK
KGYEVIYLTEPVDEYCIQALPEFDGKRFQNVAKEGVKFDSEKTKESREAVEKEFEPLLNWMKDKALKDK
IEKAVVSQRLTESPCALVASQYGWGNMERIMKAQAYQTGKDISTNYYASQKKTFEINPRHPLIRDMRLR
IKEDEDDKTVLDLAVVLFETATLRSGYLLPDTKAYGDRIERMLRSLNIDPDAKVEEPEEPEETAEDT
TEDTEQDEDEEMDVGTDDEEETAKESTAEKDEL

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](#)

RefSeq Size: 2879

Cytogenetics: 12q23.3

RefSeq ORF: 2409

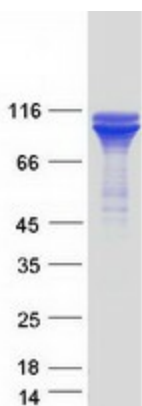
Synonyms: ECGP; GP96; GRP94; HEL-S-125m; HEL35; TRA1

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]).