

Product datasheet for PH309563

GRP94 (HSP90B1) (NM_003299) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HSP90B1 MS Standard C13 and N15-labeled recombinant protein (NP_003290)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209563
Predicted MW:	92.5 kDa
Protein Sequence:	>RC209563 protein sequence Red=Cloning site Green=Tags(s)

MRALWVLGLCCVLLTFGSVRADDEVDVGTVEEDLGKSREGSRTDDEVVQREEEAIQLDGLNASQIRELR
EKSEKFAFQAEVNRMMKLIINSLYKNKEIFLRELI SNASDALDKIRLISLTDENALSGNEELTVKIKCDK
EKNLLHVTDTGVMTREELVKNLGTIAKSGTSEFLNKMTEAQEDGQSTSELIGQFVGFYSAFLVADKVI
VTSKHNDTQHIWESDSNEFSVIADPRGNTLGRGTTITLVLKEEASDYLELDTIKNLVKKYSQFINFPIY
VWSSKTEVEEPMEEEEAAKEEKEESDDEAAVEEEEEKKPKTKKVEKTVDWELMNDIKPIWQRPKEV
EEDEYKAFYKFSKESDDPMAYIHFTAEGEVTFKSILFVPTSAPRGLFDEYGSKKSDYIKLYVRRVFITD
DFHDMMPKYLNFVKGVDSDDLPLNVSRETLQQHKLLKVIKRLVRKTLDMIKKIADDKYNDTFWKEFGT
NIKLVGVIDHSNRTRLAKLLRFQSSHPTDITSLDQYVERMKEKQDKIYFMAGSSRKEAESPFVERLLK
KGYEVIYLTPEVDEYCIQALPEFDGKRFQNAKEGVKFDSEKTESREAVEKEFEPELLNWMKDKALKDK
IEKAVVSQRLTESPCALVASQYWSGNMERIMKAQAYQTGKDISTNYYASQKKTFEINPRHPLIRDMLRR
IKEDEDDKTVLIDLAVVLFETATLRSGYLLPDTKAYGDRIERMLRSLNIDPDAKVEEEPEEPEETAEDT
TEDTEQDEDEEMDVGTDEEEETAKESTAEKDEL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003290



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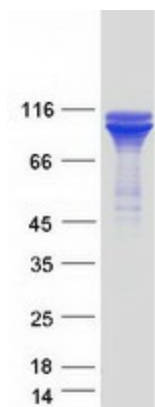
RefSeq Size:	2879
RefSeq ORF:	2409
Synonyms:	ECGP; GP96; GRP94; HEL-S-125m; HEL35; TRA1
Locus ID:	7184
UniProt ID:	P14625 , V9HWP2
Cytogenetics:	12q23.3

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]).