

Product datasheet for PH301397

Grp75 (HSPA9) (NM_004134) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HSPA9 MS Standard C13 and N15-labeled recombinant protein (NP_004125)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201397
Predicted MW:	73.7 kDa
Protein Sequence:	>RC201397 protein sequence Red=Cloning site Green=Tags(s)

MISASRAAAARLVGAAASRGPTAARHQDSWNL SHEAFRLVSRRDYASEAIKGAVVGIDLGTTNSCVAVM
EGKRAKVLENAEGARTTPSVVAFADGERLVGMPAKRQAVTNPNTFYATKRLIGRRYDDPEVQDKIKNV
PFKIVRASNGDAWVEAHGKLYSPSQIGAFVLMKMKETAENYLGRATAKNAVITVPAYFNDSQRQATKDAGQ
ISGLNVLRVINEPTAAALAYGLDKSEDKVIAVYDLGGGTFDISILEIQKGVFEVKSTNGDTFLGGEDFDQ
ALLRHIVKEFKRETGVDLTKDNMALQVRVREAAEKAKCELSSSVQTDINLPYL TMDSSGPKHLNMKLTRAQ
FEGIVTDLIRRTIAPCQKAMQDAEVSKSDIGEVILVGGMTRMPKVQQTVDLFRAPSKAVNPDEAVAIG
AAIQGGVLAGDVTDLVLLDVTPLSLGIETLGGVFTKLINRNTTIPTKKSQVFSTAADGQTQVEIKVCQGE
REMGADNKLKLGQFTLIGIPPAPRGVPQIEVTFDIDANGIVHVSADKGTGREQQIIVIQSSGGLSKDDIEN
MYKNAEKYAEEDRRKKERVEAVNMAEGLIHDTE TKMEEFKQQLPADECNKLKEEISKMRELLARKDSETG
ENIRQAASSLQQASLKL FEMAYKKMASEREGSGSGTGEQKEDQKEEKQ

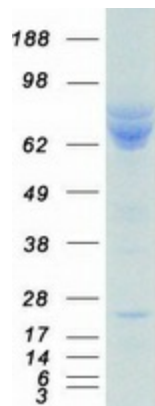
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	50 ug/ml as determined by BCA
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	100 mM glycine, 25 mM Tris-HCl, pH 7.3. Store at -80°C. Avoid repeated freeze-thaw cycles. Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_004125</u>
RefSeq Size:	3506
RefSeq ORF:	2037



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Synonyms:	CRP40; CSA; EVPLS; GRP-75; GRP75; HEL-S-124m; HSPA9B; MOT; MOT2; MTHSP75; PBP74; SAAN; SIDBA4
Locus ID:	3313
Cytogenetics:	5q31.2
Summary:	This gene encodes a member of the heat shock protein 70 gene family. The encoded protein is primarily localized to the mitochondria but is also found in the endoplasmic reticulum, plasma membrane and cytoplasmic vesicles. This protein is a heat-shock cognate protein. This protein plays a role in cell proliferation, stress response and maintenance of the mitochondria. A pseudogene of this gene is found on chromosome 2.[provided by RefSeq, May 2010]
Protein Families:	Stem cell - Pluripotency
Protein Pathways:	RNA degradation

Product images:

Coomassie blue staining of purified HSPA9 protein (Cat# [TP301397]). The protein was produced from HEK293T cells transfected with HSPA9 cDNA clone (Cat# [RC201397]) using MegaTran 2.0 (Cat# [TT210002]).