

Product datasheet for PH301835

RSK3 (RPS6KA2) (NM_021135) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RPS6KA2 MS Standard C13 and N15-labeled recombinant protein (NP_066958)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201835
Predicted MW:	83.2 kDa
Protein Sequence:	>RC201835 protein sequence Red=Cloning site Green=Tags(s)

MDLSMKKFVRRFFSVYLRRKSRKSSSLRLEEEGVVKEIDISHHVKEGFEEKADPSQFELLKVLGQGSY
GKVFLLVRKVGSDAGQLYAMKVLKATLKVDRVRSKMERDILAEVNHPFIVKLHYAFQTEGKLYLILDF
LRGGDLFTRL SKEVMFTEEDVKFYLAELALALDHLHSLGIIYRDLKPENILLDEEGHIKIDTFGLSKEAI
DHDKRAYSFCGTIEYMAPEVVNRRGHTQSADWWSFGVLMFEMLTGSLPFQKDRKETMALILKAKLGMPQ
FLSGEAQSLLRALFKRNPENRNLGAGIDGVEEIKRHPFFVTIDWNTLYRKEIKPPFKPAVGRPEDTFHFDP
EFTARTPTDSPGVPPSANAHHLFRGFSFVASSLIQEPSQQDLHKVPVHPIVQQLHGNNIHFDTGYEIKED
IGVGSYSVCKRVCVKATDTEYAVKIIDKSKRDPSEEIEILLRYGQHPNIIITLKDYYDDGKFVYLMELMR
GGELLDRI LRQRYFSEREASDVLCITITKMDYLHSQGVVHRDLKPSNILYRDESGSPESIRVCFDFGFAKQ
LRAGNLLMTPCYTANFVAPEVLKRQGYDAACDIWSLGILLYTMLAGFTPFANGPDDTPEEILARIGSGK
YALSGGNWDSISDAAKDVVSKMLHVDPHQRLTAMQVLKHPVWVNNREYLSPNQLSRQDVHLVKGAMAATYF
ALNRTQPAPRLEPVLSSNLAQRGMKRLTSTRL

SGPTRTRPLEQKLI 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_066958



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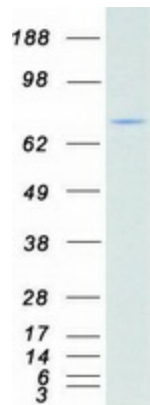
RefSeq Size:	5817
RefSeq ORF:	2199
Synonyms:	HU-2; MAPKAPK1C; p90-RSK3; p90RSK2; pp90RSK3; RSK; RSK3; S6K-alpha; S6K-alpha2
Locus ID:	6196
UniProt ID:	Q15349
Cytogenetics:	6q27

Summary: This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains two non-identical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternative splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jan 2016]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Long-term potentiation, MAPK signaling pathway, mTOR signaling pathway, Neurotrophin signaling pathway, Oocyte meiosis, Progesterone-mediated oocyte maturation

Product images:



Coomassie blue staining of purified RPS6KA2 protein (Cat# [TP301835]). The protein was produced from HEK293T cells transfected with RPS6KA2 cDNA clone (Cat# [RC201835]) using MegaTran 2.0 (Cat# [TT210002]).