

Product datasheet for PH311545

RSK4 (RPS6KA6) (NM_014496) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RPS6KA6 MS Standard C13 and N15-labeled recombinant protein (NP_055311)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211545
Predicted MW:	83.7 kDa
Protein Sequence:	>RC211545 representing NM_014496 Red=Cloning site Green=Tags(s)

MLPFAPQDEPWREMEVFSGGGASSGEVNLKMDPEMEEGEADSCHDEGVVKEIPITHHVKEGYEKADP
AQFELLKVLGQGSFGKVFLVRKKTGPDAGQLYAMKVLKKASLKVRDRVRTKMERDILVEVNHPFIVKLHY
AFQTEGKLYLILDFLRGGDVFTRLSKEVLFTEEDVKFYLAELALALDHLHQLGIVYRDLKPENILLDEIG
HIKLTDFGLSKESVDQEKKAYSFCGTVEYMAPEVYNRRGHSQSADWWSYGLMFEMLTGTLFPQGKDRNE
TMNMILKAKLGMPQFLSAEAQSLLRMLFKRNPANRLGSEGVEEIKRHLFFANIDWDKLYKREVQPPFKPA
SGKPDDTFCFDPEFTAKTPKDSPLPASANAHLFKGFSFVATSAEEYKIPITISANVLPVQINGNAA
QFGEVYELKEDIGVGSYSVCKRCIHATTNMEFAVKIIDKSKRDPSEEIEILMRYGQHPNIIITLKDVFDDG
RYVYLVTDLMKGGELLDRIKQKCFSEREASDILYVISKTVDYLHCQGVVHRDLKPSNILYMDESASADS
IRICDFGFAKQLRGENGLLLTPCYTANFVAPEVLMQGGYDAACDIWSLGLVLYTMLAGYTPFANGPNDTP
EEILLRIGNGKFSLSGGNWDNISDGAKDLLSHMLHMDPHQRYTAEQILKHSWITHRDQLPNDQPKRNDVS
HVYKGMVATYSALTHKTFQPVLEPVAASSLAQRRSMKKRTSTGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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_055311



[View online »](#)

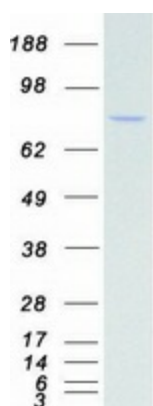
RefSeq Size:	2640
RefSeq ORF:	2235
Synonyms:	p90RSK6; PP90RSK4; RSK-4; RSK4; S6K-alpha-6
Locus ID:	27330
UniProt ID:	Q9UK32
Cytogenetics:	Xq21.1

Summary: This gene encodes a member of ribosomal S6 kinase family, serine-threonine protein kinases which are regulated by growth factors. The encoded protein may be distinct from other members of this family, however, as studies suggest it is not growth factor dependent and may not participate in the same signaling pathways. [provided by RefSeq, Jan 2010]

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 RPS6KA6 protein (Cat# [TP311545]). The protein was produced from HEK293T cells transfected with RPS6KA6 cDNA clone (Cat# [RC211545]) using MegaTran 2.0 (Cat# [TT210002]).