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Product datasheet for PH303438

p38 (CRK) (NM_005206) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CRK MS Standard C13 and N15-labeled recombinant protein (NP_005197)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203438
Predicted MW:	22.9 kDa
Protein Sequence:	>RC203438 protein sequence Red=Cloning site Green=Tags(s) MAGNFDSEERSSWYWGRLSRQEAVALLQGQRHGVFLVRDSSTSPGDYVLSVSENSRVSHYIINSSGPRPP VPPSPAQPPPGVSPSRLRIGDQEFDSLPALLEFYKIHYLDTTTLIEPVSRSRQGSGVILRQEEAEYVRAL FDFNGNDEEDLPFKKGDILRIRDKPEEQWWNAEDSEGKRGMIPVPYVEKYRPASASVSALIGGR 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_005197
RefSeq Size:	3055
RefSeq ORF:	612
Synonyms:	CRKII; p38
Locus ID:	1398
UniProt ID:	P46108, A0A0S2Z3K9

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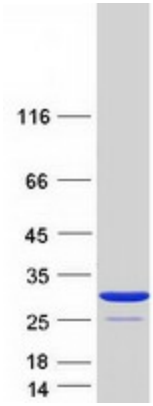
Cytogenetics: 17p13.3

Summary: This gene encodes a member of an adapter protein family that binds to several tyrosine-phosphorylated proteins. The product of this gene has several SH2 and SH3 domains (src-homology domains) and is involved in several signaling pathways, recruiting cytoplasmic proteins in the vicinity of tyrosine kinase through SH2-phosphotyrosine interaction. The N-terminal SH2 domain of this protein functions as a positive regulator of transformation whereas the C-terminal SH3 domain functions as a negative regulator of transformation. Two alternative transcripts encoding different isoforms with distinct biological activity have been described. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Chemokine signaling pathway, Chronic myeloid leukemia, ErbB signaling pathway, Fc gamma R-mediated phagocytosis, Focal adhesion, Insulin signaling pathway, MAPK signaling pathway, Neurotrophin signaling pathway, Pathways in cancer, Regulation of actin cytoskeleton, Renal cell carcinoma

Product images:



Coomassie blue staining of purified CRK protein (Cat# [TP303438]). The protein was produced from HEK293T cells transfected with CRK cDNA clone (Cat# [RC203438]) using MegaTran 2.0 (Cat# [TT210002]).