

Product datasheet for PH302927

RRAD (NM_004165) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RRAD MS Standard C13 and N15-labeled recombinant protein (NP_004156)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202927
Predicted MW:	33.1 kDa
Protein Sequence:	>RC202927 representing NM_004165 Red=Cloning site Green=Tags(s) MTLNGGGSGAGGSRGGGQERERRRGSTPWGPAPPLHRRSMPVDERDLQAALTPGALTAAGAAGTGTQGPRL DWPEDSEDSLSSGGSDSDSVYKVLGAPGVGKSALARIFGGVEDGPEAEAAGHTYDRSIVVDGEEASL MYYDIWEQDGGRWLPGHCMAMGDAYVIVYSVTDKGSFEKASELRVQLRRARQTDDVPIILVGNKSDLVRS REVSVDEGRACAVVFDCKFIETSAALHHNVQALFEGVVRQIRLRRDSKEANARRQAGTRRRESLGGKAKR FLGRIVARNSRKMAFRAKSKSCHLSVL 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_004156
RefSeq Size:	1443
RefSeq ORF:	924
Synonyms:	RAD; RAD1; REM3
Locus ID:	6236



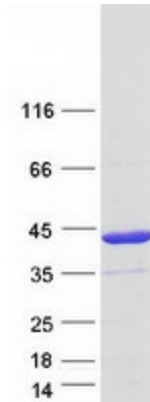
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UniProt ID: [P55042](#), [A0A024R6X0](#)

Cytogenetics: 16q22.1

Summary: May play an important role in cardiac antiarrhythmia via the strong suppression of voltage-gated L-type Ca(2+) currents. Regulates voltage-dependent L-type calcium channel subunit alpha-1C trafficking to the cell membrane (By similarity). Inhibits cardiac hypertrophy through the calmodulin-dependent kinase II (CaMKII) pathway. Inhibits phosphorylation and activation of CAMK2D.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified RRAD protein (Cat# [TP302927]). The protein was produced from HEK293T cells transfected with RRAD cDNA clone (Cat# [RC202927]) using MegaTran 2.0 (Cat# [TT210002]).