

## Product datasheet for **TP325433M**

### RRAD (NM\_001128850) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human Ras-related associated with diabetes (RRAD), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC225433 representing NM_001128850 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MTLN<del>GG</del>SGAGGSRGGGQERERRRGSTPWGPAPPLHRRSMPVDERDLQAALTPGALTA<del>AA</del>AGTGTQGPRLDWPEDSEDSLSSGGSDSDES<del>VY</del>KVLLLGAPGVGKSALARIFGGVEDGPEAEAAAGHTYDRSIVVDGEEASLMVYDIWEQD<del>GR</del>WLP<del>GH</del>CMAMGDAYVIVYSVTDKGSFEKASELRVQLRRARQTDDVPIILVGNKSDLVRSREVSVDEGRACAVFDCKFIETSAALHHNVQALFEGVVRQIRLRRDSKEANARRQAGTRRRESLGKKAKRFLGRIVARNSRKMAFRAKSKSCHDLSVL</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	33.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001122322</a>
Locus ID:	6236



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

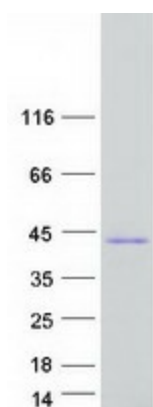
Cytogenetics: 16q22.1

RefSeq ORF: 924

Synonyms: RAD; RAD1; REM3

**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# [TP325433]). The protein was produced from HEK293T cells transfected with RRAD cDNA clone (Cat# [RC225433]) using MegaTran 2.0 (Cat# [TT210002]).