

Product datasheet for **TP508840**

Rap1gds1 (NM_145544) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse RAP1, GTP-GDP dissociation stimulator 1 (Rap1gds1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR208840 protein sequence
Red=Cloning site **Green**=Tags(s)

MDNLSDTLKKLKITAADRTEGSLEGCLDCLLQALAQNNAETSEKIQGGILQLFANLLTPQASCTAKVAN
IIAEVAKNEFMRI PCVDAGLISPLVQLLNSKDQEVLLQTGRALGNICYDSSHSLQAQLISMGVIPTLVKLL
GIHCHNAALTEMCLVAFGNLAELESSKEQFASTNIAEELVKLFKKQIEHDKREMIFEVLAPLAEHDAIKL
QLVEAGLVECLLEIVQQKVDNSKEDDVAELKTASDLMVLLLLGDESMQKLFEGGKGSVFQRVLSWIPSNN
HQLQLAGALAIANFARNDGNCIHMVDNGIVEKLMDDLDRHVEDGNVTVQHAALSALRNLAIPVWNKAKML
SAGVTETVLKFLKSEMPVQFKLLGTLRMLIDAQAEAAEQLGKNAKLVERLVEWCEAKDHAGVMGESNRL
LSALIRHSSKSDVIKTIVQSGGIKHLVTMATSEHVIMQNEALVALALIAALELGAPEKDLASAQLVQILH
RLADERSAPEIKYNSMVLICALMGSESLYKEVQDLAFLDVVSKLRSHENKSAVQASLTEQRLTVES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 60.8 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

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 after receiving vials.

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: [NP_663519](#)



[View online >](#)

Locus ID:	229877
UniProt ID:	E9Q6Q4 , Q3TU36 , E9Q912 , Q3TPS9
RefSeq Size:	3527
Cytogenetics:	3 H1
RefSeq ORF:	1677
Synonyms:	BC011279; GDS1
Summary:	Stimulates GDP/GTP exchange reaction of a group of small GTP-binding proteins (G proteins) including Rap1a/Rap1b, RhoA, RhoB and KRas, by stimulating the dissociation of GDP from and the subsequent binding of GTP to each small G protein. Able to promote the Ca(2+) release from the endoplasmic reticulum via both inositol trisphosphate (Ins3P) and ryanodine sensitive receptors leading to a enhanced mitochondrial Ca(2+) uptake.[UniProtKB/Swiss-Prot Function]