

Product datasheet for TP503623

Tipr1 (NM_145513) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse TIP41, TOR signalling pathway regulator-like (*S. cerevisiae*) (Tipr1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR203623 protein sequence
Red=Cloning site Green=Tags(s)

MMIHGFQSSHQDFSGPWKLTASKTHIMKSADVEKLADLHMPSPLEMMFGDNVLRIQHGSGFGIEFNAT
DALRCVNNYQGMLKVACAEWQESRTEGEHSKEVIKPYDWTYTTDYKGTLLGESLKLKVVPTTDHIDTEK
LKAREQIKFFEEVLLFEDELHDHGVSSLSVKIRVMPSSFFLLRFFLRIDGVLIRMNDTRLYHEADKTYM
LREYTSRESKIANLMHVPPSLFTEPNEISQYLPKAEVCEKLVFPERIDPNPVDSSQSTPSE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 31.7 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_663488](#)

Locus ID: 226591

UniProt ID: [Q8BH58](#)

RefSeq Size: 4395



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Cytogenetics: 1 H2.2

RefSeq ORF: 816

Synonyms: 1810011K17Rik

Summary: May be a allosteric regulator of serine/threonine-protein phosphatase 2A (PP2A). Inhibits catalytic activity of the PP2A(D) core complex in vitro. The PP2A(C):TIPRL complex does not show phosphatase activity. Acts as negative regulator of serine/threonine-protein phosphatase 4 probably by inhibiting the formation of the active PPP4C:PPP4R2 complex; the function is proposed to implicate it in DNA damage response by promoting H2AFX phosphorylated on Ser-140 (gamma-H2AFX). May play a role in the regulation of ATM/ATR signaling pathway controlling DNA replication and repair (By similarity).[UniProtKB/Swiss-Prot Function]