

Recombinant Mouse Pa2g4 Protein, Myc/DDK-tagged

Cat. No. Pa2g4-4643M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length proliferation-associated 2G4 (Pa2g4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	May play a role in a ERBB3-regulated signal transduction pathway. Seems to be involved in growth regulation. Acts as a corepressor of the androgen receptor (AR) and is regulated by the ERBB3 ligand neuregulin-1/herregulin (HRG). Inhibits transcription of some E2F1-regulated promoters, probably by recruiting histone acetylase (HAT) activity. Binds RNA. Associates with 28S, 18S and 5.8S mature rRNAs, several rRNA precursors and probably U3 small nucleolar RNA. May be involved in regulation of intermediate and late steps of rRNA processing. May be involved in ribosome assembly. Mediates cap-independent translation of specific viral IRESs (internal ribosomal entry site). Together with PTBP1 is required for the translation initiation on the foot-and-mouth disease virus (FMDV) IRES. Regulates cell proliferation, differentiation, and survival. Isoform 1 suppresses apoptosis whereas isoform 2 promotes cell differentiation.
Molecular Mass	44.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and

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handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade after receiving vials.

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Pa2g4 proliferation-associated 2G4 [*Mus musculus* (house mouse)]

Official Symbol Pa2g4

Synonyms PA2G4; proliferation-associated 2G4; proliferation-associated protein 2G4; mpp1; ITAF45; protein p38-2G4; ErbB3-binding protein 1; proliferation-associated 2G4, 38kD; proliferation-associated protein 1; IRES-specific cellular trans-acting factor 45 kDa; Ebp1; 38kDa; Plfap; AA672939

Gene ID 18813

mRNA Refseq NM_011119

Protein Refseq NP_035249

UniProt ID P50580

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