www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

PA2G4 Human

Catalog #:PRPS-789

For research use only.

Description:PA2G4 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 402 amino acids (1-394 a.a.) and having a molecular mass of 44.8kDa.PA2G4 is fused to 8 amino acids His Tag at C-terminus and purified by proprietary chromatographic techniques.

Synonyms: Proliferation-associated protein 2G4, Cell cycle protein p38-2G4 homolog, hG4-1, ErbB3-binding protein 1, PA2G4, EBP1, p38-2G4.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MSGEDEQQEQ TIAEDLVVTK YKMGGDIANR VLRSLVEASS SGVSVLSLCE KGDAMIMEET GKIFKKEKEM KKGIAFPTSI SVNNCVCHFSPLKSDQDYIL KEGDLVKIDL GVHVDGFIAN VAHTFVVDVA QGTQVTGRKA DVIKAAHLCA EAALRLVKPG NQNTQVTEAW NKVAHSFNCT PIEGMLSHQL KQHVIDGEKT IIQNPTDQQK KDHEKAEFEV HEVYAVDVLV SSG

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
The PA2G4 protein solution contains 20mM Tris-HCl buffer (pH8.0) and 10% glycerol.

Stability:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
PA2G4 belongs to the peptidase M24C family and functions as an RNA-binding protein involved in cellular proliferation and differentiation processes. PA2G4 is a component of pre-ribosomal ribonucleoprotein complexes, participating in ribosome assembly and regulating the later steps of rRNA processing. Also, PA2G4 interacts with ErbB-3 and may function as a modulator of the ErbB-3 mediated signal transduction pathway by regulating the effects of Neuregulin-1. Furthermore, PA2G4 is a transcriptional co-repressor of androgen receptor-regulated genes and other cell cycle regulatory genes throμgh its interactions with histone deacetylases. PA2G4 is implicated in growth inhibition and the induction of differentiation of human cancer cells. In addition, PA2G4 mediates cap-independent translation of specific viral IRESs (internal ribosomal entry site). PA2G4 associates with 28S, 18S and 5.8S mature rRNAs, several rRNA precursors and probably U3 small nucleolar RNA.

To place an order, please Click HERE.

© 2015 NeoScientific

Copyrights @ 2013 NEO Group 245 First Street, 18th Floor, Cambridge MA 02142 888.754.5670 (toll-free)
Request a CATALOG CLICK HERE