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Datasheet for ABIN7317325 PA2G4 Protein (His tag)

Overview

Quantity:	100 µg
Target:	PA2G4
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PA2G4 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human EBP1/PA2G4 Protein (His Tag)
Sequence:	Ser 2-Asp 394
Characteristics:	A DNA sequence encoding the human PA2G4 (Q9UQ80) (Ser 2-Asp 394) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 92 % as determined by reducing SDS-PAGE.

Target Details

Target:	PA2G4
Alternative Name:	EBP1/PA2G4 (PA2G4 Products)
Background:	Background: EBP1, also known as PA2G4, is an RNA-binding protein which belongs to the peptidase M24 family. It can be detected in several cell lines tested, including primary and transformed cell lines. EBP1 also present in pre-ribosomal ribonucleoprotein complexes and may be involved in ribosome assembly and the regulation of intermediate and late steps of

Target Details

rRNA processing. This protein is a transcriptional co-repressor of androgen receptor-regulated genes and other cell cycle regulatory genes through its interactions with histone deacetylases. PA2G4 can interact with the cytoplasmic domain of the ErbB3 receptor and may contribute to transducing growth regulatory signals. EBP1 has been implicated in growth inhibition and the induction of differentiation of human cancer cells. It seems to be involved in growth regulation. EBP1 also mediates cap-independent translation of specific viral IRESs (internal ribosomal entry site).

Synonym: EBP1,HG4-1,p38-2G4

Molecular Weight: 45.2 kDa

UniProt: [Q9UQ80](#)

Pathways: [Myometrial Relaxation and Contraction](#), [Regulation of Carbohydrate Metabolic Process](#), [Hepatitis C](#), [Toll-Like Receptors Cascades](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM Tris, 0.5M NaCl, pH 8.0

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.