

Recombinant Human PA2G4 Protein (Ser2-Asp394), His tagged

Cat. No. PA2G4-4783H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PA2G4 (Ser2-Asp394) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser2-Asp394
Description	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 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) .
Form	Lyophilized powder/frozen liquid
Molecular Mass	43.86 kDa

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Purity	>90% as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	PA2G4 proliferation-associated 2G4, 38kDa [Homo sapiens (human)]
Official Symbol	PA2G4
Synonyms	PA2G4; proliferation-associated 2G4, 38kDa; proliferation associated 2G4, 38kD; proliferation-associated protein 2G4; erbB3-binding protein 1; ErbB-3 binding protein 1; ErbB3-binding protein Ebp1; cell cycle protein p38-2G4 homolog; EBP1; HG4-1; p38-2G4;
Gene ID	5036
mRNA Refseq	NM_006191
Protein Refseq	NP_006182

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MIM	602145
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UniProt ID	Q9UQ80
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