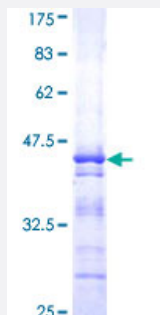


# PA2G4 (Human) Recombinant Protein (Q01)

Catalog # H00005036-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human PA2G4 partial ORF ( AAH01951, 1 a.a. - 110 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	MSGEDEQQEQTIAEDLVVTKYKMGGDIANRVLRLSLVEASSSGVSVLSLCEKGDAMIMEETGKIFK KEKEMKKGIAFPTSISVNNCVCHFSPKSDQDYILKEGDLVKIDL
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	37.73
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — PA2G4

**Entrez GeneID** [5036](#)

**GeneBank Accession#** [BC001951](#)

**Protein Accession#** [AAH01951](#)

**Gene Name** PA2G4

**Gene Alias** EBP1, HG4-1, p38-2G4

**Gene Description** proliferation-associated 2G4, 38kDa

**Omim ID** [602145](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** This gene encodes an RNA-binding protein that is involved in growth regulation. This protein is 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 can interact with the cytoplasmic domain of the ErbB3 receptor and may contribute to transducing growth regulatory signals. This protein is also a transcriptional co-repressor of androgen receptor-regulated genes and other cell cycle regulatory genes through its interactions with histone deacetylases. This protein has been implicated in growth inhibition and the induction of differentiation of human cancer cells. Six pseudogenes, located on chromosomes 3, 6, 9, 18, 20 and X, have been identified. [provided by RefSeq]

**Other Designations** ErbB-3 binding protein 1|ErbB3-binding protein 1|ErbB3-binding protein Ebp1|cell cycle protein p38-2G4 homolog