

## Recombinant Human PEBP1 Protein (Met1-Lys187)

Cat. No. PEBP1-601H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PEBP1 Protein (NP_002558.1) (Met1-Lys187) was produced by E. coli expression system.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1-Lys187
<b>Description</b>	Phosphatidylethanolamine-binding protein 1 (PEBP1), also known as Raf kinase inhibitor protein, belongs to PEBP family of proteins. It is known to interact with many proteins that are mainly involved in pathways that monitor cell proliferation and differentiation. PEBP1 in many cells interacts with several pathways, namely MAPK, GRK2, NF- $\kappa$ B, etc. that keeps the cell proliferation and differentiation in check. This protein is expressed by many cells in humans, including neurons where it is predominantly involved in production of choline acetyltransferase. Deregulated PEBP1 is known to cause cancer, diabetic nephropathy and neurodegenerative diseases like Alzheimer's and dementia
<b>Predicted N Terminal</b>	Met
<b>Form</b>	Lyophilized from sterile 20 mM TRIS, 10 % glycerol, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

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<b>Molecular Mass</b>	The recombinant human PEBP1 consists 187 amino acids and predicts a molecular mass of 21.1 kDa.
<b>Purity</b>	> 95 % as determined by SDS-PAGE.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
<b>Storage</b>	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>Shipping</b>	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

## GENE INFORMATION

<b>Gene Name</b>	PEBP1 phosphatidylethanolamine binding protein 1 [ Homo sapiens ]
<b>Official Symbol</b>	PEBP1
<b>Synonyms</b>	PEBP1; HCNP; PEBP; Raf kinase inhibitory protein; RKIP; neuropolypeptide h3; PBP; HCNPpp; PEBP-1;
<b>Gene ID</b>	5037
<b>mRNA Refseq</b>	NM_002567

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**Protein Refseq** NP\_002558

**MIM** 604591

**UniProt ID** P30086

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