

Recombinant Human PEBP1 Protein (Met1-Lys187)

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

SPECIFICATION

Product Overview	Recombinant Human PEBP1 Protein (NP_002558.1) (Met1-Lys187) was produced by E. coli expression system.
Species	Human
Source	E.coli
ProteinLength	Met1-Lys187
Description	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- κ 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
Predicted N Terminal	Met
Form	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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Molecular Mass	The recombinant human PEBP1 consists 187 amino acids and predicts a molecular mass of 21.1 kDa.
Purity	> 95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	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.
Reconstitution	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.
Shipping	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

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

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Protein Refseq	NP_002558
MIM	604591
UniProt ID	P30086

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