

[Go to Product page](#)

Datasheet for ABIN1096594 EPT1 Protein (AA 1-50) (GST tag)

Overview

Quantity:	50 µg
Target:	EPT1
Protein Characteristics:	AA 1-50
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This EPT1 protein is labelled with GST tag.

Product Details

Purpose:	Recombinant Human Ethanolaminephosphotransferase 1/EPT1 (N-GST)
Sequence:	MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIPQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD LVPRGSPEFH MAGYEYVSPE QLAGFDKYKY SAVDTNPLSL YVMHPFWNTI VKVFPTWLAP
Characteristics:	Recombinant Human Ethanolaminephosphotransferase 1/EPT1 is produced by our E. coli expression system. The target protein is expressed with sequence (Met1-Pro50) of Human EPT1 fused with a GST tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	EPT1
Alternative Name:	hEPT1 (EPT1 Products)
Sub Type:	Fusionprotein
Background:	<p>Ethanolaminephosphotransferase 1 (EPT1) is an enzyme that belongs to the CDP-Alcohol Phosphatidyltransferase Class-I Family. EPT1 is a Selenoprotein, which contains a Selenocysteine (Sec) residue at its active site. The Selenocysteine is encoded by the UGA codon that normally signals translation termination. The 3' UTR of Selenoprotein genes have a common stem-loop structure, the sec insertion sequence (SECIS), that is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. EPT1 catalyzes Phosphatidylethanolamine biosynthesis from CDP-Ethanolamine. It plays a central role in the formation and maintenance of vesicular membranes. EPT1 is involved in the formation of Phosphatidylethanolamine via the 'Kennedy' pathway.</p> <p>Alternative Names: Ethanolaminephosphotransferase 1, hEPT1, Selenoprotein I, Sell, EPT1, KIAA1724, SELI</p>
Molecular Weight:	32.3 kDa
UniProt:	Q9C0D9

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, pH 8.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months