Recombinant Human SELENOI Protein (Met1-Pro50), N-GST tagged

Cat. No. SELENOI-3653H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SELENOI (Met1-Pro50) protein fused with the N-terminal Gst tag was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
ProteinLength	Met1-Pro50
Description	The multi-pass transmembrane protein encoded by this gene belongs to the CDP-alcohol phosphatidyltransferase class-I family. It catalyzes the transfer of phosphoethanolamine from CDP-ethanolamine to diacylglycerol to produce phosphatidylethanolamine, which is involved in the formation and maintenance of vesicular membranes, regulation of lipid metabolism, and protein folding. This protein is a selenoprotein, containing the rare selenocysteine (Sec) amino acid at its active site. Sec is encoded by the UGA codon, which normally signals translation termination. The 3' UTRs of selenoprotein mRNAs contain a conserved stem-loop structure, designated the Sec insertion sequence (SECIS) element, that is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. Alternatively spliced transcript variants have been found for this gene.
Molecular Mass	31.5 kDa
Purity	>90 % as determined by SDS-PAGE.

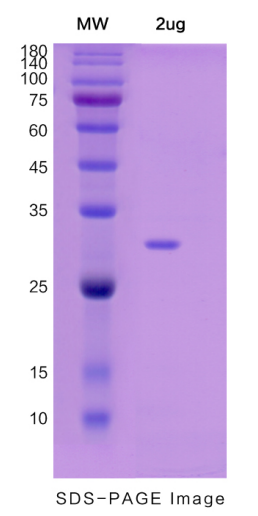
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Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS or lyophilized from PBS.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	SELENOI selenoprotein I [Homo sapiens (human)]
Official Symbol	SELENOI
Synonyms	SELENOI; selenoprotein I; EPT1; SELI; SEPI; SPG81; ethanolaminephosphotransferase 1; ethanolaminephosphotransferase 1 (CDP-ethanolamine-specific); hEPT1; EC 2.7.8.1
Gene ID	85465
mRNA Refseq	NM_033505
Protein Refseq	NP_277040
MIM	607915

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UniProt ID	Q9C0D9
SDS-PAGE	

SDS-PAGE Image

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