

Recombinant Mouse Selenoprotein P/SEPP1 protein (His tag)



Catalog Number:PDMM100013

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms	Selenoprotein P;SeP;Selenop;Plasma selenoprotein P
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Glu20–Asn380
Accession	P70274
Calculated Molecular Weight	39.6 kDa
Observed molecular weight	60 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Background

Selenoprotein P (SeP) is an extracellular, monomeric glycoprotein containing up to 10 selenocysteine residues in the polypeptide chain. It is ubiquitously expressed in mammalian tissues, and in human plasma it accounts for at least 40% of the total selenium concentration. SeP binds to heparin and cell membranes, and is associated with endothelial cells. SeP in human plasma protects against peroxynitrite-mediated oxidation and reduces phospholipid hydroperoxide in vitro, in accordance with the presumption that it has a function as an extracellular oxidant defense. Immunochemical assays have demonstrated that its concentration in plasma varies much with selenium intake, but other factors also have an influence.

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