

Selenoprotein P1, Plasma (SEPP1) Recombinant Protein | SEPP1 recombinant protein

Recombinant Selenoprotein P1, Plasma (SEPP1)

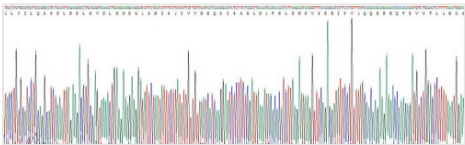
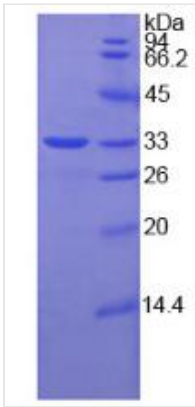
CATALOG # AAA20267	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS SDS-Page, Western Blot
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PRODUCT SYNONYMS

Selenoprotein P1; Plasma (SEPP1); Recombinant Selenoprotein P1; SEPP1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 97%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Applicable Applications for SEPP1 recombinant protein	Positive Control, Immunogen, SDS-PAGE, WB (Western Blot)
Application Notes	(May be suitable for use in other assays to be determined by the end user.)
Source	Prokaryotic expression
Residues	Tyr60~Lys274
Tags	N-terminal His Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	7.4
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



Gene Sequencing (Extract)

SDS-PAGE

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Y LCILQASKLE DLRVKLKKEG YSNISYIVVN HQGISSRLKY
THLKNKVSEH IPVYQEEENQ TDVWTLNGS KDDFLTYDRC GRLVYHLGLP
FSFLTFPYVE EAIKIAYCEK KCGNCSLTTL KDEDCKRVS LATVDKTVET
PSPHYHHEHH HNHGHQHLGS SELSENQPGG APNAPTHPAP PGLHHHHKHK
GQHRQGHPEN RDMPASDLO DLQKKLCRKR CINQLLCKLP TDSELAPRS
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Sequence Information

NCBI AND UNIPROT INFORMATION

NCBI GI #	148277018
NCBI GeneID	6414
NCBI Accession #	NP_001078955.1
NCBI GenBank Nucleotide #	NM_001085486.1
UniProt Accession #	P49908; Q6PD59; Q6PI43; Q6PI87; Q6PJF9
Molecular Weight	Predicted Molecular Mass: 25.5kDa Accurate Molecular Mass: 33kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	selenoprotein P isoform 1
NCBI Official Synonym Full Names	selenoprotein P, plasma, 1
NCBI Official Symbol	SEPP1
NCBI Official Synonym Symbols	SeP; SELP
NCBI Protein Information	selenoprotein P
UniProt Protein Name	Selenoprotein P
UniProt Gene Name	SEPP1
UniProt Synonym Gene Names	SELP; SeP
UniProt Entry Name	SEPP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.