Datasheet for ABIN7596434

Seleno F (SC96C) (Ser96Cys-Mutant) protein (His tag)

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Overview

Quantity:	500 µg
Target:	Seleno F (SC96C)
Protein Characteristics:	Ser96Cys-Mutant
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH MGSVSAFGAE FSSEACRELG FSSNLLCSSC DLLGQFNLLQ LDPDCRGCCQ EEAQFETKKL YAGAILEVCG CKLGRFPQVQ AFVRSDKPKL FRGLQIKYVR GSDPVLKLLD DNGNIAEELS ILKWNTDSVE EFLSEKLERI
Purity:	> 95% by SDS-PAGE

Target Details

Target:	Seleno F (SC96C)
Background:	SEP15 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

Target Details

	signal. Studies in mouse suggest that this selenoprotein may have redox function and may be involved in the quality control of protein folding. This gene is localized on chromosome 1p31, a genetic locus commonly mutated or deleted in human cancers. Recombinant human SEP15 (SC96C) protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Molecular Weight:	17.7 kDa (160aa) confirmed by MALDI-TOF
NCBI Accession:	NP_004252

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.