

Recombinant Human Sperm mitochondrial-associated cysteine-rich protein(SMCP)

Catalog No: #AP70785

Package Size: #AP70785-1 20ug #AP70785-2 100ug #AP70785-3 1mg

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Description

Product Name	Recombinant Human Sperm mitochondrial-associated cysteine-rich protein(SMCP)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-116aaSequence Info:Full Length
Accession No.	P49901
Calculated MW	39.8 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MCDQTKHSKCCPAKGNQCCPPQQNQCCQSKGNQCCPPKQNKCCQPKGSQCCPPKHNHCCQPKPPCCIQ ARCCGLETKPEVSPLNMESEPNSPQTQDKGCQTQQQPHSPQNESRPSK
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Involved in sperm motility. Its absence is associated with genetic background dependent male infertility. Infertility may be due to reduced sperm motility in the male reproductive tract and inability to penetrate the oocyte zona pellucida .

References

Isolation, expression, and chromosomal localization of the human mitochondrial capsule selenoprotein gene (MCSP).Aho H., Schwemmer M., Tessmann D., Murphy D., Mattei M.-G., Engel W., Adham I.M.Genomics 32:184-190(1996)Research Topic:Developmental Biology

Note: This product is for in vitro research use only and is not intended for use in humans or animals.