



Recombinant Pig Steroidogenic acute regulatory protein, mitochondrial (STAR)

Product Code	CSB-EP638955PI
Abbreviation	STAR
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.
Uniprot No.	Q28996
Product Type	Recombinant Protein
Immunogen Species	Sus scrofa (Pig)
Purity	≥85% (SDS-PAGE)
Sequence	EDTFYSD QDLAYIQQGE EAMQRALDIL SNQEGWKKES RQENGDEVLS KVIPDVGKVF RLEVVDQPM ERLYEELVER MEAMGEWNPS VKKIKILQKI GKDTVITHEL AAEAAGNLVG PRDFVSVRCT KRRGSVCVLA GMATDFGEMP EQKGVIRAEH GPTCMVLHPL AGSPSKTKLT WLLSIDLKGW LPKTIINQVL SQTQVDFANH LRKRLESRPA LEARC
Source	E.coli
Target Names	STAR
Protein Names	Recommended name: Steroidogenic acute regulatory protein, mitochondrial Short name= StAR Alternative name(s): START domain-containing protein 1 Short name= StARD1
Expression Region	64-285
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein plays a key role in the acute regulation of steroid hormone synthesis by enhancing the conversion of cholesterol into pregnenolone. This protein permits the cleavage of cholesterol into pregnenolone by mediating the transport of cholesterol from the outer mitochondrial membrane to the inner mitochondrial membrane. Mutations in this gene are a cause of congenital lipoid adrenal hyperplasia (CLAH), also called lipoid CAH. A pseudogene of this gene is located on chromosome 13.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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