Recombinant Rat Steroidogenic acute regulatory protein, mitochondrial (Star)

Product Code	CSB-BP022798RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P97826
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥85% (SDS-PAGE)
Sequence	EATLYSDQ ELSYIQQGEE AMQKALGILN NQEGWKKESQ QENGDEVLSK VVPGVGKVFR LEVLLDQPMD RLYEELVDRM EAMGEWNPNV KEIKVLKKIG KDTVITHELA AAAAGNLVGP RDFVSVRCTK RRGSTCVLAG MATHFGEMPE QSGVIRAEHG PTCMVLHPLA GSPSKTKLTW LLSIDLKGWL PKTIINQVLS QTQIEFASHL RKRLESSPAS EAQC
Source	Baculovirus
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	63-284
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	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.