



Recombinant Rat Steroidogenic acute regulatory protein, mitochondrial (Star)

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| Product Code | CSB-MP022798RA |
| 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 LEVLLDQPM D RLYEELVDRM EAMGEWNPV KEIKVLKKIG KDTVITHELA AAAAGNLVGP RDFVSVRCK RRGSTCVLAG MATHFGEMPE QSGVIRAEHG PTCMVLHPLA GSPSKTKLTW LLSIDLKGWL PKTIINQVLS QTQIEFASHL RKRLESSPAS EAQC |
| Source | Mammalian cell |
| 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.