

32-4976: Recombinant Human Steroidogenic Acute Regulatory Protein

Alternative Name : Steroidogenic acute regulatory protein, STARD1, StAR, START domain-containing protein 1, cholesterol trafficker, Mitochondrial steroid acute regulatory protein, StAR-related lipid transfer (START) domain containing 1.

Description

Source : E.coli. STAR Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 243 amino acids (64-285) and having a molecular mass of 27.1 kDa. STAR is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. STAR facilitates the fast increase in pregnenolone synthesis stimulated by tropic hormones. STAR increases pregnenolone synthesis more than four-fold and a major STAR transcription of 1.6 kb is observed in ovary and testis. Throughout the growth and differentiation period of the ovary follicle, the immunoreactivity is likely to move from the granulosa cells of early antral follicles to the theca cell layers in the adult.

Product Info

Amount : 20 µg
Purification : Greater than 90% as determined by SDS-PAGE.
Content : The STAR solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT and 20% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MEETLYSDQE LAYLQQGEEA MQKALGILSN QEGWKESQQ
DNGDKVMSKV VPDVGKVFRL EVVVDQPMER LYEELVERME AMGEWNPVK EIKVLQKIGK DTFITHELAA
EAAGNLVGPR DFVSVRCAR RGSTCVLAGM ATDFGNMPEQ KGVIRAEHGP TCMVLHPLAG
SPSKTKLTWL LSIDLKGWLP KSIINQVLSQ TQVDFANHLR KRLESHPAE ARC