9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

STAR Human

Steroidogenic Acute Regulatory Protein Human Recombinant
RCP2258

Product Overview

Name	STAR Human
Description	
Steroidogenic Acute Regulatory Protein Human Recombinant	
Accession (Primary)	P49675
Synonyms	
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.	
Introduction	
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.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The STAR solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT and 20% glycerol.	
Stability	
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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH M EETLYSDQE LAYLQQGEEA MQKALGILSN QEGWKKESQQ DNGDKVMSKV VPDVGKVFRL EVVVDQPMER LYEELVERME AMGEWNPNVK EIKVLQKIGK DTFITHELAA EAAGNLVGPR DFVSVRCAKR RGSTCVLAGM ATDFGNMPEQ KGVIRAEHGP TCMVLHPLAG SPSKTKLTWL LSIDLKGWLP KSIINQVLSQ TQVDFANHLR KRLESHPASE ARC	

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Precautions

STAR Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P49675)