

Steroidogenic Acute Regulatory Protein Human Recombinant

Item Number	rAP-4511
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.
Description	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.
Uniprot Accession Number	P49675
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MEETLYSDQE LAYLQQGEEA MQKALGILSN QEGWKKESSQ DNG-DKVMASKV VPDVGKVFRL EVVVDQPMER LYEELVERME AMGEWNPVVK EIKVLQKIGK DTFITHELAA EAAGNLVGPR DFVSVRCAR RGSTCVLAGM ATDFGNMPEQ KGVIRAEHGP TCMVLHPLAG SPSKTKLTWL LSIDLKGWLP KSIINQVLSQ TQVDFANHLR KRLESHPAE ARC
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The STAR solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT and 20% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**