

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 Accesion Number	P49675
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MEETLYSDQE LAYLQQGEEA MQKALGILSN QEGWKKESQQ DNG-DKVM SKVVPDVGKVFR EVVVDQPMER LYEEELVERME AMGEWNPNVK EIKVLQKIGK DTFITHELAA EAAGNLVGPR DFVSVRCAKR RGSTCVLAGM ATDFGNMPEQ KGVI RAEHGP TCMVLHPLAG SPSKTKLTWL LSIDLKGWLP KSIINQVLSQ TQVDFANHLR KRLE SHPASE 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 end users! This product is sold for **Research Use Only**