

# Product datasheet for AR50117PU-S

# STAR / STARD1 (64-285, His-tag) Human Protein

## **Product data:**

#### **Product Type: Recombinant Proteins Description:** STAR / STARD1 (64-285, His-tag) human recombinant protein, 0.1 mg Species: Human E. coli **Expression Host: Expression cDNA Clone** MGSSHHHHHH SSGLVPRGSH MEETLYSDQE LAYLQQGEEA MQKALGILSN QEGWKKESQQ or AA Sequence: DNGDKVMSKV VPDVGKVFRL EVVVDQPMER LYEELVERME AMGEWNPNVK EIKVLQKIGK DTFITHELAA EAAGNLVGPR DFVSVRCAKR RGSTCVLAGM ATDFGNMPEQ KGVIRAEHGP TCMVLHPLAG SPSKTKLTWL LSIDLKGWLP KSIINQVLSQ TQVDFANHLR KRLESHPASE ARC Tag: His-tag Predicted MW: 27.1 kDa **Concentration:** lot specific >90% by SDS - PAGE **Purity: Buffer:** Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 2 mM DTT **Preparation:** Liquid purified protein **Protein Description:** Recombinant human STAR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch. Stability: **RefSeq:** NP 000340 6770 Locus ID: **UniProt ID:** P49675, Q6IBK0 8p11.23 Cytogenetics: Synonyms: STARD1



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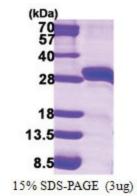
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### STAR / STARD1 (64-285, His-tag) Human Protein – AR50117PU-S

Summary: The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

### **Product images:**



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