

Recombinant Human STAR Protein, His/GST-tagged

Cat. No. STAR-507H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human STAR(Met1~Cys285) fused with His/GST tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1~Cys285
Description	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 lipid adrenal hyperplasia (CLAH), also called lipid CAH. A pseudogene of this gene is located on chromosome 13.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	91.9kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	STAR steroidogenic acute regulatory protein [Homo sapiens]
Official Symbol	STAR
Synonyms	STAR; steroidogenic acute regulatory protein; steroidogenic acute regulator; steroidogenic acute regulatory protein, mitochondrial; StAR; StAR related lipid transfer (START) domain containing 1; STARD1; cholesterol trafficker; START domain containing 1; steroid acute regulatory protein; START domain-containing protein 1; mitochondrial steroid acute regulatory protein; StAR-related lipid transfer (START) domain containing 1;
Gene ID	6770
mRNA Refseq	NM_000349
Protein Refseq	NP_000340

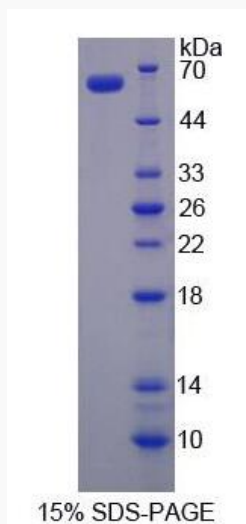
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MIM 600617

UniProt ID P49675



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