

Recombinant Full Length Human STAR Protein, C-Flag-tagged

Cat. No. STAR-1693HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human STAR Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	31.7 kDa
AA Sequence	MLLATFKLCAGSSYRHMNRNMKGLRQQAVMAISQELNRRALGGPTPSTWINQVRRR SLLGSRLEETLYSD QELAYLQQGEEAMQKALGILSNQEGWKKESSQDNGDKVMS KVVDPVGKVFRLVVVDQPMERLYEELVER MEAMGEWNPVKEIKVLQKIGKDTFI THELAAEAAGNLVGPRDFVSVRCAKRRGSTCVLAGMATDFGNMP EQKGVIRAEHG PTCMVLHPLAGSPSKTKLTWLLSIDLKGWLPKSIINQVLSQTQVDFANHLRKRLESH A

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	STAR steroidogenic acute regulatory protein [Homo sapiens (human)]
Official Symbol	STAR
Synonyms	STARD1
Gene ID	6770
mRNA Refseq	NM_000349.3
Protein Refseq	NP_000340.2

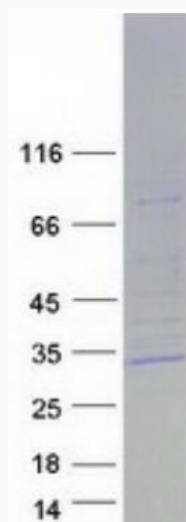
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MIM 600617

UniProt ID P49675



Coomassie blue staining of purified STAR protein.

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