

Recombinant Human STAR Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. STAR-1396H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	STAR MS Standard C13 and N15-labeled recombinant protein (NP_001007244) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	29.9 kDa
AA Sequence	MLLATFKLCAGSSYRHMNRNMKGLRQQAVMAISQELNRRALGGPTPSTWINQVRRR SSLLGSRLEETLYSDQELAYLQQGEEAMQKALGILSNQEGWKKESQQDNGDKVMS KVVPDVGKVFRLVVVDQPMERLYEELVERMEAMGEWNPNVKEIKVLQKIGGPRDF VSVRCAKRRGSTCVLAGMATDFGNMPEQKGVIRAEHGPTCMVLHPLAGSPSKTKL TWLLSIDLKGWLPKSIINQVLSQTQVDFANHLRKRLESHPALEARCTRTRPLEQKLIS EEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	STAR steroidogenic acute regulatory protein [Homo sapiens (human)]
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_001007243
Protein Refseq	NP_001007244
MIM	600617

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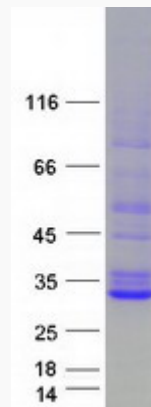
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UniProt ID

P49675

SDS-PAGE



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