

Product datasheet for **TP313299M**

STAR (NM_001007243) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens steroidogenic acute regulatory protein (STAR), nuclear gene encoding mitochondrial protein, transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213299 representing NM_001007243 Red =Cloning site Green =Tags(s)

MLLATFKLCAGSSYRHMRNMKGLRQQAVMAISQELNRRALGGPTPSTWINQVRRRSSLLGSRLEETLYSD
QELAYLQQGEEAMQKALGILSNQEGWKKESQQDNGDKVMSKVVPDVGKVFRLVVVDQPMERLYEELVER
MEAMGEWNPVNKEIKVLQKIGGPRDFVSVRCAKRRGSTCVLAGMATDFGNMPEQKGVIRAEHGPTCMVLH
PLAGSPSKTKLTWLLSIDLKGWLPKSIINQVLSQTQVDFANHLRKRLESHPAPEARC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

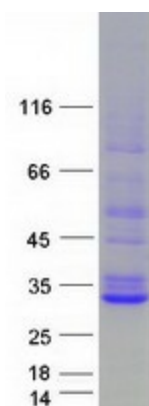
Tag:	C-Myc/DDK
Predicted MW:	29.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001007244
Locus ID:	6770



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UniProt ID:	P49675
RefSeq Size:	2641
Cytogenetics:	8p11.23
RefSeq ORF:	801
Synonyms:	cholesterol trafficker; mitochondrial steroid acute regulatory protein; StAR-related lipid transfer (START) domain containing 1; STARD1; START domain containing 1; steroid acute regulatory protein; steroidogenic acute regula; steroidogenic acute regulator
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:



Coomassie blue staining of purified STAR protein (Cat# [TP313299]). The protein was produced from HEK293T cells transfected with STAR cDNA clone (Cat# [RC213299]) using MegaTran 2.0 (Cat# [TT210002]).