

## Product datasheet for PH303803

### STAR (NM\_000349) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	STAR MS Standard C13 and N15-labeled recombinant protein (NP_000340)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203803
Predicted MW:	31.9 kDa
Protein Sequence:	>RC203803 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MLLATFKLCAGSSYRHRMRMKGLRQQAVMAISQELNRRALGGPTPSTWINQVRRRSLLGSRLEETLYSD QELAYLQQGEEAMQKALGILSNQEGWKESQQDNGDKVMSKVVPDVGKVFRLLEVVDQPMERLYEELVER MEAMGEWNPNVKEIKVLQKIGKDTFITHELAAEAAGNLVGPRDFVSVRCAKRRGSTCVLAGMATDFGNMP EQKGVIRAHEHGPTCMVLHPLAGSPSKTKLTWLLSIDLKGWLPKSIINQVLSQTQVDFANHLRKRLESHPA SEARC  <b>TRTRP</b> <b>LEQKLI</b> <b>SEEDLA</b> <b>ANDILDYK</b> <b>DDDDKV</b>
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_000340</a>
RefSeq Size:	2695
RefSeq ORF:	855
Synonyms:	STARD1
Locus ID:	6770



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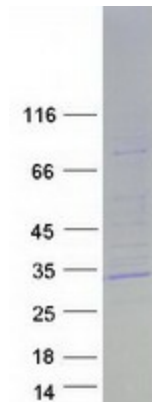
UniProt ID: [P49675, Q6IBK0](#)

Cytogenetics: 8p11.23

**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# [TP303803]). The protein was produced from HEK293T cells transfected with STAR cDNA clone (Cat# [RC203803]) using MegaTran 2.0 (Cat# [TT210002]).