

Product datasheet for PH302407

STARD5 (NM_181900) Human Mass Spec Standard

Product data:

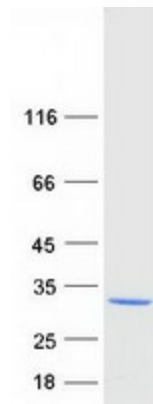
Product Type:	Mass Spec Standards
Description:	STARD5 MS Standard C13 and N15-labeled recombinant protein (NP_871629)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202407
Predicted MW:	23.8 kDa
Protein Sequence:	>RC202407 protein sequence Red=Cloning site Green=Tags(s) MDPALAAQMSEAVAEMKMLQYRRDTAGWKICREGNGVSVSWRPSVEFPGNLYRGEIGIYYGTLEEVWDCVKP AVGGLRVKWDENVTFGEI IQSITDTLCVSRTSTPSAAMKLI SPRDFVDLVLVKRYEDGTISSNATHVEHP LCPPKPGFVRGFNHPCGCFCEPLPGEPTKTNLVTFHTDLSGYLPQNVVDSFFPRSMTRFYANLQKAVKQ FHE TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	NP_871629
RefSeq Size:	1344
RefSeq ORF:	639
Locus ID:	80765
UniProt ID:	Q9NSY2
Cytogenetics:	15q25.1



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Summary:

Proteins containing a steroidogenic acute regulatory-related lipid transfer (START) domain are often involved in the trafficking of lipids and cholesterol between diverse intracellular membranes. This gene is a member of the StarD subfamily that encodes START-related lipid transfer proteins. The protein encoded by this gene is a cholesterol transporter and is also able to bind and transport other sterol-derived molecules related to the cholesterol/bile acid biosynthetic pathways such as 25-hydroxycholesterol. Its expression is upregulated during endoplasmic reticulum (ER) stress. The protein is thought to act as a cytosolic sterol transporter that moves cholesterol between intracellular membranes such as from the cytoplasm to the ER and from the ER to the Golgi apparatus. Alternative splicing of this gene produces multiple transcript variants. [provided by RefSeq, Jan 2016]

Product images:

Coomassie blue staining of purified STARD5 protein (Cat# [TP302407]). The protein was produced from HEK293T cells transfected with STARD5 cDNA clone (Cat# [RC202407]) using MegaTran 2.0 (Cat# [TT210002]).