

## Product datasheet for PH323123

### STARD4 (NM\_139164) Human Mass Spec Standard

#### Product data:

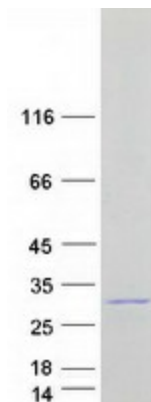
Product Type:	Mass Spec Standards
Description:	STARD4 MS Standard C13 and N15-labeled recombinant protein (NP_631903)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223123
Predicted MW:	23.3 kDa
Protein Sequence:	>RC223123 representing NM_139164 Red=Cloning site Green=Tags(s)  MEGLSDVASFATKLNKNTLIQYHSIEEDKWRVAKKTKDVTVWRKPSEEFNGYLYKAQGVIDDLVYSIIDHI RPGPCRLDWSLMTSLDILENFEENCCVMRYTTAGQLWNIISPREFVDFSYTVGYKEGLLSCGISLDWDE KRPEFVRGYNHPCGWFCVPLKDNPNQSLLTGYIQTDLRGMIPQSAVDTAMASTLTNFGDLRKAL  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_631903</a>
RefSeq Size:	2264
RefSeq ORF:	615
Locus ID:	134429
UniProt ID:	<a href="#">Q96DR4</a>
Cytogenetics:	5q22.1



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**Summary:**

Cholesterol homeostasis is regulated, at least in part, by sterol regulatory element (SRE)-binding proteins (e.g., SREBP1; MIM 184756) and by liver X receptors (e.g., LXRA; MIM 602423). Upon sterol depletion, LXRs are inactive and SREBPs are cleaved, after which they bind promoter SREs and activate genes involved in cholesterol biosynthesis and uptake. Sterol transport is mediated by vesicles or by soluble protein carriers, such as steroidogenic acute regulatory protein (STAR; MIM 600617). STAR is homologous to a family of proteins containing a 200- to 210-amino acid STAR-related lipid transfer (START) domain, including STARD4 (Soccio et al., 2002 [PubMed 12011452]).[supplied by OMIM, Mar 2008]

**Product images:**

Coomassie blue staining of purified STARD4 protein (Cat# [TP323123]). The protein was produced from HEK293T cells transfected with STARD4 cDNA clone (Cat# [RC223123]) using MegaTran 2.0 (Cat# [TT210002]).