

Recombinant Human STARD5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. STARD5-678H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	STARD5 MS Standard C13 and N15-labeled recombinant protein (NP_871629) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	23.8 kDa
AA Sequence	MDPALAAQMSEAVAEKMLQYRRDTAGWKICREGNGVSVSWRPSVEFPGNLYRGE GIVYGTLEEVWDCVKPAVGGLRVKWDENVTFEIIQSITDTLCVSRTSTPSAAMKLIS

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PRDFVDLVLVKRYEDGTISSNATHVEHPLCPPKPGFVRGFNHPCGCFCEPLPGEPT
KTNLVTFFHTDLSGYLPQNVVDSFFPRSMTRFYANLQKAVKQFHETRTRPLEQKLIS
EEDLAANDILDYKDDDDKV

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 STARD5 StAR related lipid transfer domain containing 5 [Homo sapiens (human)]

Official Symbol STARD5

Synonyms STARD5; StAR-related lipid transfer (START) domain containing 5; START domain containing 5; stAR-related lipid transfer protein 5; MGC10327; START domain-containing protein 5;

Gene ID 80765

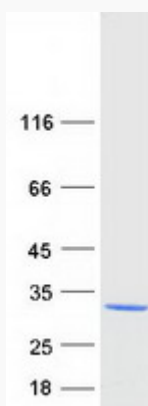
mRNA Refseq NM_181900

Protein Refseq NP_871629

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MIM 607050**UniProt ID** Q9NSY2**SDS-PAGE** Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA