
Product Data Sheet

Product Name: STARD5 Human
 Cat. No.: GP24715
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	StAR-Related Lipid Transfer (START) Domain Containing 5; START Domain-Containing Protein 5; StARD5.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMDPALAA QMSEAVAEM LQYRRDTAGW KICREGNGVS VSWRPSVEFPGNLYRGEGIV YGTLEEVWDC VKPAVGGLRV KWDENVTGFE IIQSITDTLC VSRTSTPSAA MKLISPRDFVDLVLVKRYED GTISSNATHV EHPLCPPKPG FVRGFNHPCG CFCEPLPGEP TKTNLVTFHH TDLSGYLPQNVVDSFFPRSM TRFYANLQKA VKQFHE		
Formulation	STARD5 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 0.1M NaCl, 1mM DTT and 20% glycerol.		

Introduction

STARD5 is a member of the STARD family of proteins. This family of proteins has 15 different members, all of which hold the distinctive START domain and have a vital part in the metabolism and transport of lipids. The STARD family of proteins has six subfamilies based on their START domain sequences. STARD5 constitute one subfamily, sharing approximately 30% amino acid identity with each other. Even though STARD5 is not sterol-regulated it is induced by endoplasmic reticulum (ER) stress.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.

Background

STARD5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain topological domain containing 236 amino acids (1-213 a.a) and having a molecular

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mass of 26.2kDa. STARD5 is fused to a 23 aminoacid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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