

AR51255PU-S**Human STARD5 (1-213, His-tag) - Purified****Alternate names:**

START domain-containing protein 5, StAR-related lipid transfer protein 5

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

StAR-related lipid transfer protein 5, also known as STARD5, belongs to the STARD family of proteins is comprised of fifteen different members. All members contain the characteristic START domain and are believed to play key roles in the metabolism and transport of lipids. The STARD proteins are grouped into six subfamilies based on their START domain sequences. STARD5 constitute one subfamily, sharing approximately 30% amino acid identity with each other. STARD5 is not sterol-regulated but can be induced by endoplasmic reticulum (ER) stress. Due to its exclusive tissue expression and its interaction with sterols, StARD6 may function in reproduction and germ cell maturation.

Uniprot ID:[Q9NSY2](#)**NCBI:**[NP_871629](#)**GeneID:**[80765](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >95% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT**Description:**

Recombinant human STARD5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SGLVPRGSH MGSMDPALAA QMSEAVAEKM LQYRRDTAGW KICREGNGVS
VSWRPSVEFP GNLYRGEIV YGTLEEVWDC VKPAVGGLRV KWDENVTFGE IIQSITDTLC
VSRTSTPSAA MKLISPRDFV DLVLVKRYED GTISSNATHV EHPLCPPKPG FVRGFNHPCG
CFCEPLPGEP TKTNLVTFPH TDLGSLPQN VVDSFFPRSM TRFYANLQKA VKQFHE

Molecular weight: 26.2 kDa (236aa) confirmed by MALDI-TOF**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Soccio R E., et al. (2005) J Biol Chem. 280: 19410-19418.

Alpy F., et al. (2005) J Cell Sci. 118-2791-2801.

Pictures:

