

STARD5, 1-213aa, Human, His tag, E.coli

Cat.NO.: TP04052

3th Edition

Synonyms:StAR-related lipid transfer protein 5,

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

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT

Molecular Weight:26.2kDa (236aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSM DPALAAQMSEAVA EKMLQYRRDTAGWKICREGNGVSVSWRPSVEFPGN
LYRGE GIVYGTLEEVWDCV KPAVGGLRVKWDENV TGFEI IQSITDTLCVSRTSTPSAAMKLISPRDFVDLVLVKRYE
DGTISSNATHVEHPLCPPKPGFVRGFNHPCGCFCEPLPGEPTKTNLVTFFHTDLSGYLPQNVVDSFFPRSMTRFYA
NLQKAVKQFHE

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.