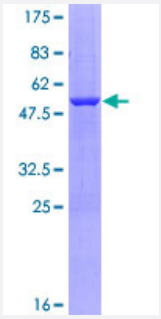
Full-Length

STARD5 (Human) Recombinant Protein (P01)

Catalog # H00080765-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human STARD5 full-length ORF (NP_871629.1, 1 a.a. - 213 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MDPALAAQMSEAVAEKMLQYRRDTAGWKICREGNGVSVSWRPSVEFPGNLYRGEGIVYGTLEE VWDCVKPAVGGLRVKWDENVTGFEIIQSITDTLCVSRTSTPSAAMKLISPRDFVDLVLVKRYEDGT ISSNATHVEHPLCPPKPGFVRGFNHPCGCFCEPLPGEPTKTNLVTFFHTDLSGYLPQNVVDSFFP RSMTRFYANLQKAVKQFHE
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	50.2
Interspecies Antigen Sequence	Mouse (83); Rat (84)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — STARD5

Entrez GeneID	80765
GeneBank Accession#	NM_181900.2
Protein Accession#	NP_871629.1
Gene Name	STARD5
Gene Alias	MGC10327
Gene Description	StAR-related lipid transfer (START) domain containing 5
Omim ID	607050
Gene Ontology	Hyperlink
Gene 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 SR Es and activate genes involved in cholesterol biosynthesis and uptake. Sterol transport is mediat ed by vesicles or by soluble protein carriers, such as steroidogenic acute regulatory protein (STA R; MIM 600617). STAR is homologous to a family of proteins containing a 200- to 210-amino aci d STAR-related lipid transfer (START) domain, including STARD5 (Soccio et al., 2002 [PubMed 12011452]).[supplied by OMIM
Other Designations	START domain containing 5|StAR-related lipid transfer protein 5

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema