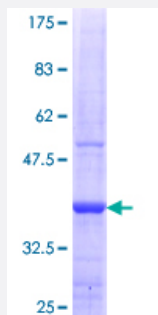


STARD4 (Human) Recombinant Protein (Q01)

Catalog # H00134429-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human STARD4 partial ORF (NP_631903.1, 1 a.a. - 100 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MEGLSDVASFATKLKNTLIQYHSIEEDKWRVAKKTKDVTWVRKPSEEFNGYLYKAQGVIDDLVYSII DHIRPGPCRLDWDSLMTSLDILENFEENCCVMR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
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 — STARD4

Entrez GeneID [134429](#)

GeneBank Accession# [NM_139164](#)

Protein Accession# [NP_631903.1](#)

Gene Name STARD4

Gene Alias -

Gene Description StAR-related lipid transfer (START) domain containing 4

Omim ID [607049](#)

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 mediated by vesicles or by soluble protein carriers, such as steroidogenic acute regulatory protein (STAR; MIM 600617). STAR is homologous to a family of proteins containing a 200- to 210-amino acid STAR-related lipid transfer (START) domain, including STARD4 (Soccio et al., 2002 [PubMed 12011452]).[supplied by OMIM]

Other Designations START domain containing 4 sterol-regulated|START domain containing 4, sterol regulated

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Tobacco Use Disorder](#)