

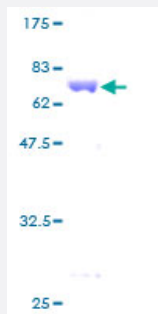
Full-Length

ANKRD1 (Human) Recombinant Protein (P01)

Catalog # H00027063-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ANKRD1 full-length ORF (AAH18667, 1 a.a. - 319 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MMVLKVEELVTGKKNGNGEAGEFLPEDFRDGEYEA AVTLEKQEDLKTLLAHPVTLGEQQWKSE
KQREAE LKKKKLEQRSKLENLEDEIIQLKKRKKYRKAKVPVKEPEPEIITEPVDPVPTFLKAALEN
KLPVVEKFLSDKNNPDVCDEYKRTALHRACLEGHLAIVEKLMEAGAQIEFRDMLESTAIHWASRG
GNLDVLKLLLNGAKISARDKLLSTALHVAVRTGHYEC AEHLIACEADLNAKDREGDTPLHDAVRL
NRYKMIRLLIMYGADLNIKN CAGKTPMDLVLHWQNGTKAIFDSLRENSYKTSRIATF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

60.83

Interspecies Antigen Sequence

Mouse (90); Rat (90)

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 — ANKRD1

Entrez GeneID[27063](#)**GeneBank Accession#**[BC018667](#)**Protein Accession#**[AAH18667](#)**Gene Name**

ANKRD1

Gene Alias

ALRP, C-193, CARP, CVARP, MCARP, bA320F15.2

Gene Description

ankyrin repeat domain 1 (cardiac muscle)

Omim ID[609599](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is localized to the nucleus of endothelial cells and is induced by IL-1 and TNF-alpha stimulation. Studies in rat cardiomyocytes suggest that this gene functions as a transcription factor. Interactions between this protein and the sarcomeric proteins myopalladin and titin suggest that it may also be involved in the myofibrillar stretch-sensor system. [provided by RefSeq]

Other Designations

OTTHUMP00000020084|cardiac ankyrin repeat protein|cytokine inducible nuclear protein|liver ankyrin repeat domain 1

Disease

- [Cardiomyopathy](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Ovarian Neoplasms](#)