

Recombinant Human Ankyrin Repeat Domain 1 (Cardiac Muscle), His-tagged

Cat. No. ANKRD1-7150H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ANKRD1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 38.6 kDa.
Species	Human
Source	E.coli
ProteinLength	1-319aa
Description	Ankyrin repeat domain-containing protein 1, also known as ANKRD1, may play an important role in endothelial cell activation. This protein may act as a nuclear transcription factor that negatively regulates the expression of cardiac genes.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.5) containing 0.2M NaCl, 50% glycerol, 5mM DTT
Molecular Mass	38.6 kDa (342aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMMLVKVE ELVTGKKNGN GEAGEFLPED FRDGEYEA AV TLEKQEDLKT LLAHPVTLGE QQWKSEKQRE AELKKKKLEQ RSKLENLEDL EIIQLKKRK KYRKT KVPV KEPEPEIITE PVDVPTFLKA ALENKLPVVE KFLSDKNNPD VCDEYKRTAL HRACLEGHLA IVEKLMEAGA QIEFRDML ES TAIHWASRGG NLDVLKLLN KGAKISARDK LLSTALHVAV

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RTGHYECAEH LIACEADLNA KDREGDTPLH DAVRLNRYKM IRLIMYGAD
LNIKNCAAGKT PMDLVLHWQN GTKAIFDSLRLR ENSYKTSRIA TF

Purity >85% by SDS - PAGE

Applications SDS-PAGE

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.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [ANKRD1 ankyrin repeat domain 1 \(cardiac muscle\) \[Homo sapiens \]](#)

Official Symbol ANKRD1

Synonyms ANKRD1; ankyrin repeat domain 1 (cardiac muscle); ankyrin repeat domain-containing protein 1; ALRP; C 193; CARP; CVARP; MCARP; liver ankyrin repeat domain 1; cardiac ankyrin repeat protein; cytokine-inducible nuclear protein; cytokine-inducible gene C-193 protein; C-193; bA320F15.2;

Gene ID [27063](#)

mRNA Refseq [NM_014391](#)

Protein Refseq [NP_055206](#)

MIM [609599](#)

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UniProt ID	Q15327
Chromosome Location	10q23.33
Pathway	Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Hypertrophy Model, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; PPARA Activates Gene Expression, organism-specific biosystem; Regulation of Lipid Metabolism by Peroxisome proliferator-activated receptor alpha (PPARalpha), organism-specific biosystem;
Function	DNA binding; R-SMAD binding; RNA polymerase II transcription coactivator activity; RNA polymerase II transcription factor binding; histone deacetylase binding; p53 binding; protein binding; titin binding; transcription corepressor activity;

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