

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 <i>E. coli</i> and purified by using conventional chromatography techniques. MW: 38.6 kDa.
Species	Human
Source	<i>E. coli</i>
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 MGSMMVLKVE ELVTGKKNNGN GEAGEFLPED FRDGEYEA AV TLEKQEDLKT LLAHPVTLGE QQWKSEKQRE AELKKKKLEQ RSKLENLEDL EIIIQLKKRK KYRKT KVPV KEPEPEIITE PVDVPTFLKA ALENKL P VVE KFLSDKNNPD VCDEYKRTAL HRACLEGH LA IVEKLMEAGA QIEFRDML ES TAIHWASRG G NLDVLKLLL N KGAKISARDK LLSTALHVAV

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RTGHYECAEH LIACEADLNA KDREGDTPLH DAVRLNRYKM IRLIMYGAD
LNIKNCAGKT PMDLVLHWQN GTKAIFDSL R 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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