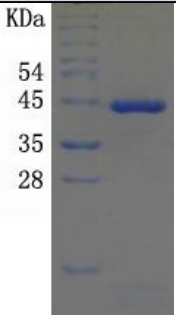


Recombinant Human ANKRD1 Protein Data Sheet

Catalog #	hRP-M0529-EF011
Size	25 µg
Protein Name	Human ankyrin repeat domain-containing protein 1
Protein Symbol	ANKRD1
Original Source	<i>Homo sapiens</i>
Expression System	<i>E.coli</i>
GenBank Accession #	NM_014391.1
Uniprot Accession #	Q15327
Description	Ankyrin repeat domain-containing protein 1 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.
Application	WB, ELISA, IP, antibody production, protein array
Fusion tag	N-His
Peptide Length	334aa(including fusion tag)
Molecular Weight	38.2kDa(including fusion tag)
pI	7.7
Activity	NA
Storage	Storage buffer: 20mM Tris.Cl, 100mM NaCl, 0.4M Urea, 50% Glycerol, pH8.0. Store at -80°C and avoid repeated freeze-thaw cycles.
	
Reference:	• The enigmatic role of the ankyrin repeat domain 1 gene in heart development and disease • CARP: fishing for novel mechanisms of neovascularization • A novel role for cardiac ankyrin repeat protein Ankrd1/CARP as a co-activator of the p53 tumor suppressor protein • Cardiac ankyrin repeat protein gene (ANKRD1) mutations in hypertrophic cardiomyopathy • Expression of cardiac ankyrin repeat protein, CARP, in malignant tumors: diagnostic use of CARP protein immunostaining in rhabdomyosarcoma

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