

Recombinant Human ANKRD1 protein ab134543

1 Image

Description	
Product name	Recombinant Human ANKRD1 protein
Purity	> 85 % SDS-PAGE. ab134543 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>Q15327</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMGSMMLVKVEELVTGKKNGNGEAGEFLPED FRDGEYEA AVTLEKQEDLKTLLAHPVTLGEQQWKSEKQREAE LKKKKLEQ RSKLENLEDLEIIQLKKRKKYRKT KVPVVKEPEPEITEPVDVPTFLKA ALENKLPVVEKFLSDKNNPDVCDEYKRTALHRACLEGHLAVEKLMEAGA QIEFRDMLESTAIHWASRGGNLDVLKLLLNKGAKISARDKLLSTALHVAV RTGHYECAEHLIACEADLNAKDREGDTP LHDAVRLNRYKMIRLLIMYGAD LNIKNCAGKTPMDLVLHWQNGTKAIFDSLRENSYKTSRIATF
Predicted molecular weight	39 kDa including tags
Amino acids	1 to 319
Tags	His tag N-Terminus

Specifications	
Our Abpromise guarantee covers the use of ab134543 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
Applications	Mass Spectrometry

	SDS-PAGE
Mass spectrometry	MALDI-TOF
Form	Liquid

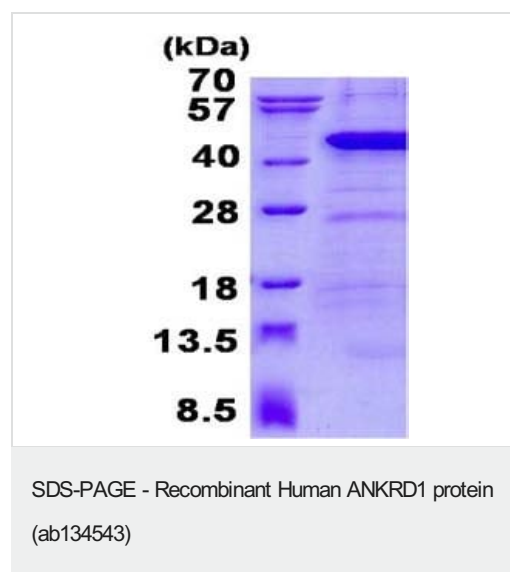
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.50 Constituents: 0.08% DTT, 0.32% Tris HCl, 50% Glycerol (glycerin, glycerine), 1.17% Sodium chloride
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General Info

Function	May play an important role in endothelial cell activation. May act as a nuclear transcription factor that negatively regulates the expression of cardiac genes. Induction seems to be correlated with apoptotic cell death in hepatoma cells.
Tissue specificity	Mainly expressed in activated vascular endothelial cells. To a lower extent, also expressed in hepatoma cells.
Involvement in disease	Defects in ANKRD1 may be a cause of total anomalous pulmonary venous return (TAPVR) [MIM:106700]. TAPVR is a rare congenital heart disease (CHD) in which the pulmonary veins fail to connect to the left atrium during cardiac development, draining instead into either the right atrium or one of its venous tributaries. This disease accounts for 1.5% of all CHDs and has a prevalence of approximately 1 out of 15'000 live births.
Sequence similarities	Contains 5 ANK repeats.
Cellular localization	Nucleus.

Images



15% SDS-PAGE analysis of 3 µg ab134543.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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