

Product datasheet

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	Q15327	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MGSSHHHHHSSGLVPRGSHMGSMMLKVEELVTGKKN GNGEAGEFLPED FRDGEYAAVTLEKQEDLKTLLAHPVTLGEQQWKSEKQR EAELKKKKLEQ RSKLENLEDLEIIQLKKRKKYRKTkVPVVKPEPEIITEPVD VPTFLKA ALENKLPVVEKFLSDKNNPDVCDEYKRTALHRACLEGHL AMEKLMEAGA QIEFRDMLESTAIHWASRGGNLDVLKLLLNKGAKISARDKL LSTALHVAV RTGHYCAEHLIACEADLNAKDREGDTPHDAVRLNRYK MIRLLIMYGAD LNIKNCAGKTPMDLVLHWQNGTKAIFDSLRENSYKTSRIAT F	
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

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.

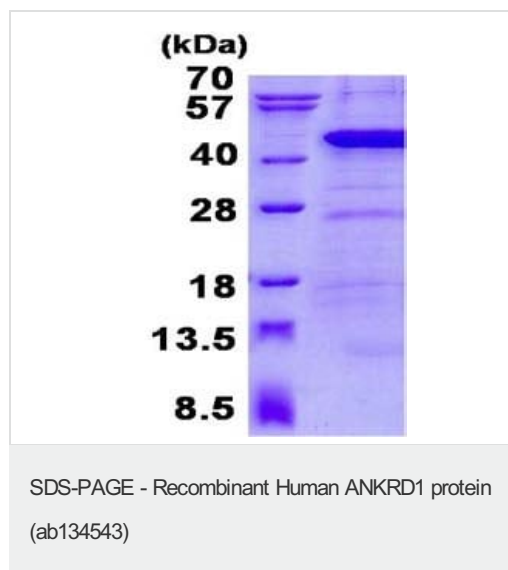
Sequence similarities

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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