

Recombinant Human PROX1 protein ab54337

1 图像

描述		
产品名称	重组人PROX1蛋白	
纯度	> 95 % SDS-PAGE. >95% by SDS-PHAGE & silver stain.	
表达系统	Escherichia coli	
Accession	<u>Q92786</u>	
蛋白长度	Protein fragment	
无动物成分	No	
性质	Recombinant	
种属	Human	
序列	MAEGLSLSLIKSECGDLQDMSEISPYSGSAMQEGLSPNHLKK AKLMFFYT RYPSSNMLKTYFSDVKFNRCITSQLIKWFSNREFYYIQMEK YARQAIND GVTSTEELSITRDCELYRALNMHYNKANDFEVPERFLEVAQI TLREFFNA IIAGKDVDPSWKKAIYKVICKLDSEVPEIFKSPNCLQELLHE	
预测分子量	22 kDa	
氨基酸	547 to 737	

技术指标	
Our Abpromise guarantee covers the use of ab54337 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
应用	SDS-PAGE
形式	Lyophilized
补充说明	This product can be used as a positive control e.g. in Western analysis.

制备和贮存	
稳定性和存储	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Constituent: PBS

复溶

Reconstitute in water to a concentration not lower than 50 µg/ml.

常规信息

功能

Transcription factor involved in developmental processes such as cell fate determination, gene transcriptional regulation and progenitor cell regulation in a number of organs. Plays a critical role in embryonic development and functions as a key regulatory protein in neurogenesis and the development of the heart, eye lens, liver, pancreas and the lymphatic system. Involved in the regulation of the circadian rhythm. Represses: transcription of the retinoid-related orphan receptor RORγ, transcriptional activator activity of RORA and RORγ and the expression of RORA/RORγ-target genes including core clock components: ARNTL/BMAL1, NPAS2 and CRY1 and metabolic genes: AVPR1A and ELOVL3.

组织特异性

Most actively expressed in the developing lens. Detected also in embryonic brain, lung, liver and kidney. In adult, it is more abundant in heart and liver than in brain, skeletal muscle, kidney and pancreas.

序列相似性

Belongs to the Prospero homeobox family.
Contains 1 Prospero-type homeobox DNA-binding domain.

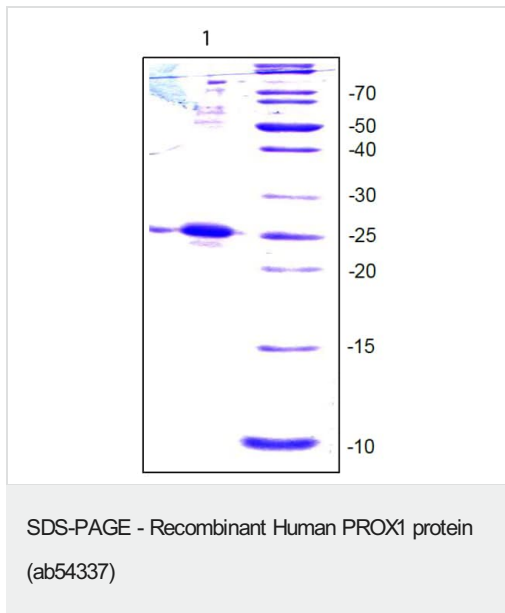
结构域

The prospero-type homeobox DNA-binding domain is essential for repression of RORγ transcriptional activator activity.

细胞定位

Nucleus. RORγ promotes its nuclear localization.

图片



SDS-PAGE analysis of recombinant human PROX1 protein fragment (ab54337). The sample was loaded in 15% SDS-polyacrylamide gel under reducing conditions and stained with Coomassie blue.

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