

Product datasheet

Recombinant Human NR2F6/EAR-2 protein ab158381

1 Image

Overview

Product name	Recombinant Human NR2F6/EAR-2 protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human
Sequence	ERAVAFMDQVRAFQEVDKLGRLQVDSAIEYGLKAI ALFTPDACGLSDPA HVESLQEKAQVALTEYVRAQYPSQPQRFG
Amino acids	273 to 351
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab158381** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot ELISA
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml. Protein previously labeled as NR2F6.

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

Function

Transcription factor predominantly involved in transcriptional repression. Binds to promoter/enhancer response elements that contain the imperfect 5'-AGGTCA-3' direct or inverted repeats with various spacings which are also recognized by other nuclear hormone receptors. Involved in modulation of hormonal responses. Represses transcriptional activity of the lutropin-choriogonadotropic hormone receptor/LHCGR gene, the renin/REN gene and the oxytocin-neurophysin/OXT gene. Represses the triiodothyronine-dependent and -independent transcriptional activity of the thyroid hormone receptor gene in a cell type-specific manner. The corepressing function towards thyroid hormone receptor beta/THRB involves at least in part the inhibition of THRB binding to triiodothyronine response elements (TREs) by NR2F6. Inhibits NFATC transcription factor DNA binding and subsequently its transcriptional activity. Acts as transcriptional repressor of IL-17 expression in Th-17 differentiated CD4(+) T cells and may be involved in induction and/or maintenance of peripheral immunological tolerance and autoimmunity. Involved in development of forebrain circadian clock; is required early in the development of the locus coeruleus (LC).

Tissue specificity

Expressed in heart, placenta, liver, skeletal muscle, kidney and pancreas.

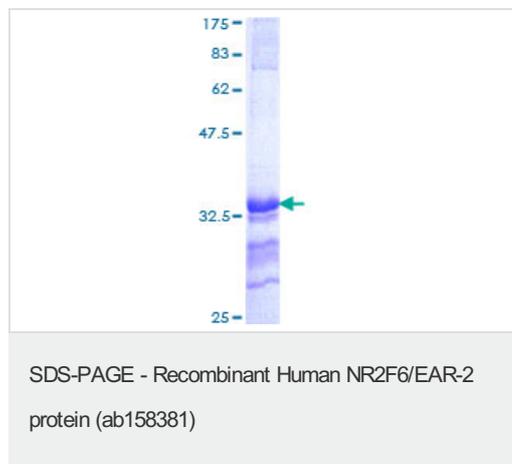
Sequence similarities

Belongs to the nuclear hormone receptor family. NR2 subfamily.
Contains 1 nuclear receptor DNA-binding domain.

Cellular localization

Nucleus.

Images



ab158381 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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

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