

Recombinant Full Length Human NR2F6 Protein, C-Flag-tagged

Cat. No. NR2F6-82HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Full Length Human NR2F6 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.

Species

Human

Source

Mammalian Cells

Description

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).

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	42.8 kDa
AA Sequence	MAMVTGGWGGPGGDTNGVDKAGGYPRAAEDDSASPPGAASDAEPGDEERPGLQ VDCVVC GDKSSGKHYGV FTCEGCKSFFKRSIRRNLSYTCRSNRDCQIDQHHRNQ QYCRLKKCFRVGMRKEAVQRGRIPHSLPGAVA ASSGSPPGSALA AVASGGDLFPG QPVSELIAQLLRAEPYPAAAGRFGAGGGAAGAVLGIDNVCELAARLL FSTVEWARH APFFPELPVADQVALLRLSWSELFVLNAAQAALPLHTAPLLAAAGLHAAPMAAERAV AFMD QVRAFQE QVDKLGR LQVDSAEY GCLKAIALFTP DACGLSDPAHVESLQEKA QVALTEYVRAQYPSQPQRF GRLLLRLPALRAVPASLISQLFFMRLVGKTP IETLIRDMLLSGSTFNWPY GSGQTRTR PLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Full Length	Full L.

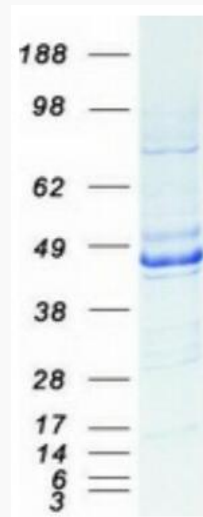
GENE INFORMATION

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Gene Name	NR2F6 nuclear receptor subfamily 2 group F member 6 [Homo sapiens (human)]
Official Symbol	NR2F6
Synonyms	EAR2; EAR-2; ERBAL2
Gene ID	2063
mRNA Refseq	NM_005234.4
Protein Refseq	NP_005225.2
MIM	132880
UniProt ID	P10588



Coomassie blue staining of purified NR2F6 protein.