

Recombinant Human Nuclear receptor subfamily 2 group F member 6(NR2F6)

Catalog No: #AP74384

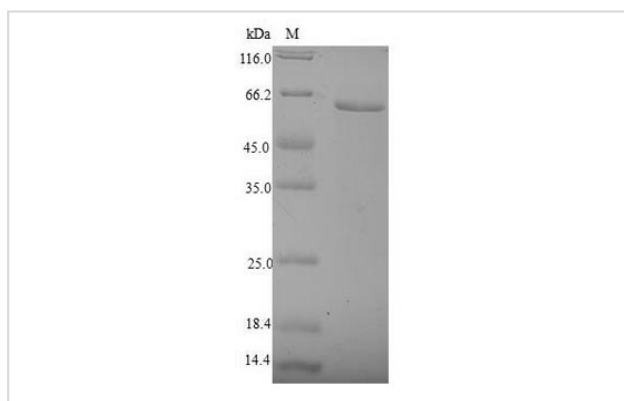
Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Package Size: #AP74384-1 20ug #AP74384-2 100ug #AP74384-3 1mg

Description

Product Name	Recombinant Human Nuclear receptor subfamily 2 group F member 6(NR2F6)
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-404aaSequence Info:Full Length
Other Names	V-erbA-related protein 2 Short name: EAR-2
Accession No.	P10588
Uniprot	P10588
GeneID	2063;
Calculated MW	59 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MAMVTGGWGGPGGDTNGVDKAGGYPRAAEDDSASPPGAASDAEPGDEERPGLQVDCVVCGDKSSGKHY GVFTCEGCKSFFKRSIRRNLSYTCRSNRDCQIDQHHRNQCQYCRLLKCFRVGMRKEAVQRGRIPHSLPGAVA ASSGSPPGSALAAVASGGDLFPGQPVSELIAQLLRAEPYAAAAGRFGAGGGAAGAVLGIDNVCELAARLLFST VEWARHAPFFPELPVADQVALLRLSWSELFVLNAAQAALPLHTAPLLAAAGLHAAPMAAERAVAFMDQVRAF QEQVDKLGRLQVDSAEYGCLKAIALFTPACGLSDPAHVESLQEKAQVALTEYVRAQYPSQPQRFRLLLLRLP ALRAVPASLISQLFFMRLVGKTPLETLRDMLLSGSTFNWPYGSQG
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Images



Background

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).

References

"Identification of two novel members of erbA superfamily by molecular cloning: the gene products of the two are highly related to each other." Miyajima N., Kadowaki Y., Fukushige S., Shimizu S., Semba K., Yamanashi Y., Matsubara K., Toyoshima K., Yamamoto T. *Nucleic Acids Res.* 16:11057-11074(1988) Research Topic: Epigenetics and Nuclear Signaling

Note: This product is for in vitro research use only