

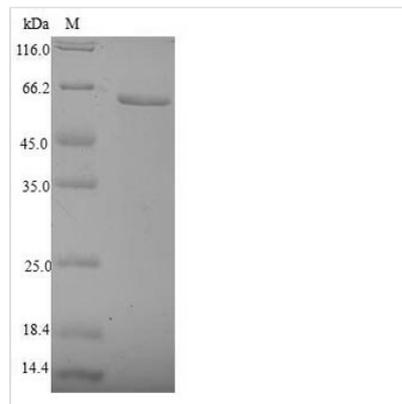


# Recombinant Human Nuclear receptor subfamily 2 group F member 6(NR2F6)

<b>Product Code</b>	CSB-EP016058HU
<b>Relevance</b>	<p>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).</p>
<b>Storage</b>	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.
<b>Uniprot No.</b>	P10588
<b>Storage Buffer</b>	Tris-based buffer,50% glycerol
<b>Alias</b>	V-erbA-related protein 2 Short name: EAR-2
<b>Product Type</b>	Recombinant Protein
<b>Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	<p>MAMVTGGWGGPGGDTNGVDKAGGYPRAAEDDSASPPGAASDAEPGDEERP          GLQVDCVVC GDKSSGKHYGVFTCEGCKSFFKRSIRRNL SYTCRSNRDCQIDQ          HHRNQCYCRLKKCFR VGM RKEAVQRGRIPHS LPGA VAASSGSPPGSALAA          VASGGDLFP GQP VSELIAQLLRAEPYPAAAGRFGAGGGAAGAVL GIDNVCELA          ARLLFSTVEWARHAPFFPELPVADQVALLRLSWSELFVLNAAQAALPLHTAPLL          AAAGLHAAPMAAERAVAFMDQVRAFQEQVDKLGRLQVDSA EYGCLKAIALFT          PDACGLSDPAHVESLQEKAQVALTEYVRAQYPSQPQRFRLLLRPALRAVP          ASLISQLFFMRLVGKTP IETLIRDMLLSGSTFNWPY GSGQ</p>
<b>Lead Time</b>	3-7 business days
<b>Research Area</b>	Epigenetics and Nuclear Signaling



<b>Source</b>	E.coli
<b>Gene Names</b>	NR2F6
<b>Expression Region</b>	1-404aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-SUMO-tagged
<b>Mol. Weight</b>	59.0kDa
<b>Protein Description</b>	Full Length

**Image**

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.