

Datasheet for ABIN7557808  
**NR2E1 Protein (AA 1-385) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	NR2E1
Protein Characteristics:	AA 1-385
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NR2E1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Nr2e1 Protein expressed in mammalian cells.
Sequence:	<p>MSKPAGSTSR ILDIPCKVCG DRSSGKHYGV YACDGC SGFF KRSIRRNRTY VCKSGNQGGC</p> <p>PVDKTHRNQC RACRLKKCLE VNMNKDAVQH ERGPRTSTIR KQVALYFRGH KEDNGAAAHF</p> <p>PSTALPAPAF FTAVTQLEPH GLELA AVSAT PERQTLVSLA QPTPKYPHEV NGTPMYLYEV</p> <p>ATESVCESAA RLLFMSIKWA KSVPAFSTLS LQDQLMLLED AWRELFVLGI AQWAIPVDAN</p> <p>TLLAVSGMNT DNTDSQKLNK IISEIQALQE VVARFRQLRL DATEFACKLC IVTFKAVPTH</p> <p>SGSELR SFRN AAAIAALQDE AQLTLNSYIH TRYPTQPCR F GKLLLLLPAL RSISPSTIEE</p> <p>VFFKKTIGNV PITRLLSDMY KSSDI <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

## Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

Target:	NR2E1
Alternative Name:	Nr2e1 ( <a href="#">NR2E1 Products</a> )
Background:	<p>Nuclear receptor subfamily 2 group E member 1 (Nuclear receptor TLX) (Protein tailless homolog) (TII) (mTII),FUNCTION: Orphan receptor that binds DNA as a monomer to hormone response elements (HRE) containing an extended core motif half-site sequence 5'-AAGGTCA-3' in which the 5' flanking nucleotides participate in determining receptor specificity (By similarity). Regulates cell cycle progression in neural stem cells of the developing brain. Involved in the regulation of retinal development and essential for vision. During retinogenesis, regulates PTEN-Cyclin D expression via binding to the promoter region of PTEN and suppressing its activity. May be involved in retinoic acid receptor (RAR) regulation in retinal cells.</p> <p>{ECO:0000250, ECO:0000269 PubMed:10706625, ECO:0000269 PubMed:16702404, ECO:0000269 PubMed:17901127}.</p>
Molecular Weight:	42.6 kDa
UniProt:	<a href="#">Q64104</a>
Pathways:	<a href="#">Nuclear Receptor Transcription Pathway</a> , <a href="#">Steroid Hormone Mediated Signaling Pathway</a> , <a href="#">Stem</a>

Target Details

Cell Maintenance

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months