

# Recombinant Full Length Human NR1D1 Protein, GST-tagged

**Cat. No.** NR1D1-6691HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human NR1D1 full-length ORF ( AAH56148, 1 a.a. - 614 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>Protein Length</b>	614 amino acids
<b>Description</b>	This gene encodes a transcription factor that is a member of the nuclear receptor subfamily 1. The encoded protein is a ligand-sensitive transcription factor that negatively regulates the expression of core clock proteins. In particular this protein represses the circadian clock transcription factor aryl hydrocarbon receptor nuclear translocator-like protein 1 (ARNTL). This protein may also be involved in regulating genes that function in metabolic, inflammatory and cardiovascular processes. [provided by RefSeq, Jan 2013]
<b>Molecular Mass</b>	93.28 kDa
<b>AA Sequence</b>	MTTLDSNNNTGGVITYIGSSGSSPSRTSPESLYSDNSNGSFQSLTQGCPTYFPPSPT GSLTQDPARSFGSIPPSLSDDGSPSSSSSSSSSSSSSFYNGSPPGSLQVAMEDSSRV SPSKSTSNITKLNMGVLLCKVCGDVASGFHYGVHACEGCKGFFRRSIQQNIQYKRC LKNENC SIVRINRNRCCQCRFKKCLSVGMSRDAVRFGRIPKREKQRMLAEMQSAM NLANNQLSSQCPLETSPTQHPTPGPMGPSPPPAPVPSPLVGFSQFPQQLTPPRSPS PEPTVEDVISQVARAHREIFTYAHDKLGSSPGNFNANHASGSPATTPHRWENQGC

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PPAPNDNNTLAAQRHNEALNGLRQAPSSYPPTWPPGPAHHSCHQSNSNGHRLCPT  
 HVYAAPEGKAPANSRQGN SKNVLLACPMNMYPHGRSGRTVQEIWEDFSMSFTPA  
 VREVVEFAKHIPGFRDLSQHDQVTLKAGTFEVL MVRFASLFNVKDQTMFLSRTTY  
 SLQELGAMGMDLLSAMFDFSEKLN SLALTEEELGLFTA VVLVSADRSGMENSASV  
 EQLQETLLRALRALVLKNRPLETSRFTKLLLKLPDLRTLNNMHSEKLLSFRVDAQ

**Applications**  
 Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**  
 Best use within three months from the date of receipt of this protein.

**Storage**  
 Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**  
 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** [NR1D1 nuclear receptor subfamily 1, group D, member 1 \[ Homo sapiens \]](#)

**Official Symbol** [NR1D1](#)

**Synonyms**  
 NR1D1; nuclear receptor subfamily 1, group D, member 1; THRAL; nuclear receptor subfamily 1 group D member 1; ear 1; hRev; Rev ErbAalpha; THRA1; Rev-ErbAalpha; rev-erbA-alpha; V-erbA-related protein 1; nuclear receptor Rev-ErbA-alpha; EAR1; ear-1;

**Gene ID** [9572](#)

**mRNA Refseq** [NM\\_021724](#)

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**Protein Refseq** NP\_068370

**MIM** 602408

**UniProt ID** P20393

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