Neuron Derived Orphan Receptor 1 (NOR1) ELISA Kit for Goat

PRODUCT OVERVIEW

Product Name	Neuron Derived Orphan Receptor 1 (NOR1), ELISA Kit
Full Product Name	Goat Neuron Derived Orphan Receptor 1 ELISA Kit
Product Gene Name	NOR1 elisa kit
Species Reactivity	Goat
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	68,230 Da
OMIM	600542
3D Structure	ModBase 3D Structure for Q92570
Related Product Information for NOR1 elisa kit	MBS086137 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Neuron Derived Orphan Receptor 1 (NOR1) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing NOR1. The ELISA analytical biochemical technique of the MBS086137 kit is based on NOR1 antibody-NOR1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect NOR1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, NOR1. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of NOR1 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NOR1. It may not necessarily be applicable to this product.

NCBI GI #	27894355
NCBI GeneID	8013
NCBI Accession #	NP_008912.2
UniProt Primary Accession #	Q92570
UniProt Secondary Accession #	Q12935; Q14979; Q16420; Q4VXA8; Q4VXA9; Q9UEK2; Q9UEK3; A2A3I7
UniProt Related Accession #	Q92570
GenBank Nucleotide #	NM_006981.3
NCBI Official Full Name	nuclear receptor subfamily 4 group A member 3 isoform a
NCBI Official Synonym Full Names	nuclear receptor subfamily 4, group A, member 3
NCBI Official Symbol	NR4A3
NCBI Official Synonym Symbols	CHN; TEC; CSMF; NOR1; MINOR
UniProt Protein Name	Nuclear receptor subfamily 4 group A member 3
UniProt Synonym Protein Names	Mitogen-induced nuclear orphan receptor; Neuron-derived orphan receptor 1; Nuclear hormone receptor NOR-1
Protein Family	Nuclear receptor subfamily

UniProt Gene Name	NR4A3
UniProt Synonym Gene Names	CHN; CSMF; MINOR; NOR1; TEC
UniProt Entry Name	NR4A3_HUMAN
NCBI Protein Information	nuclear receptor subfamily 4 group A member 3; nuclear hormone receptor NOR-1; neuron-derived orphan receptor 1; mitogen-induced nuclear orphan receptor; translocated in extraskeletal chondrosarcoma; chondrosarcoma, extraskeletal myxoid, fused to EWS
NCBI Summary for NOR1	This gene encodes a member of the steroid-thyroid hormone-retinoid receptor superfamily. The encoded protein may act as a transcriptional activator. The protein can efficiently bind the NGFI-B Response Element (NBRE). Three different versions of extraskeletal myxoid chondrosarcomas (EMCs) are the result of reciprocal translocations between this gene and other genes. The translocation breakpoints are associated with Nuclear Receptor Subfamily 4, Group A, Member 3 (on chromosome 9) and either Ewing Sarcome Breakpoint Region 1 (on chromosome 22), RNA Polymerase II, TATA Box-Binding Protein-Associated Factor, 68-KD (on chromosome 17), or Transcription factor 12 (on chromosome 15). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2010]
UniProt Comments for NOR1	NR4A3: Binds to the B1A response-element. Defects in NR4A3 are a cause of Ewing sarcoma (ES). A highly malignant, metastatic, primitive small round cell tumor of bone and soft tissue that affects children and adolescents. It belongs to the Ewing sarcoma family of tumors, a group of morphologically heterogeneous neoplasms that share the same cytogenetic features. They are considered neural tumors derived from cells of the neural crest. Ewing sarcoma represents the less differentiated form of the tumors. A chromosomal aberration involving NR4A3 is found in patients with Erwing sarcoma. Translocation t(9;22)(q22-31;q11-12) with EWSR1. A chromosomal aberration involving NR4A3 is a cause of a form of extraskeletal myxoid chondrosarcomas (EMC). Translocation t(9;17)(q22;q11) with TAF2N. Belongs to the nuclear hormone receptor family. NR4 subfamily. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Oncoprotein; Nuclear receptor; DNA-binding Chromosomal Location of Human Ortholog: 9q22 Cellular Component: nucleoplasm; transcription factor complex; nucleus Molecular Function: protein binding; DNA binding; zinc ion binding; sequence-specific DNA binding; steroid hormone receptor activity; thyroid hormone receptor activity Biological Process: response to peptide hormone stimulus; axon guidance; transcription initiation from RNA polymerase II promoter; organ regeneration; intracellular receptor-mediated signaling pathway; hippocampus development; semicircular canal morphogenesis; positive regulation of cell cycle; vestibular reflex; response to hydrogen peroxide; mesoderm formation; adult behavior; positive regulation of transcription from RNA polymerase II promoter; gene expression; steroid hormone mediated signaling; negative regulation of neuron apoptosis; neuromuscular process controlling balance Disease: Chondrosarcoma, Extraskeletal Myxoid
Research Articles on NOR1	**1.** NOR1 suppresses slug/vimentin expression to inhibit epithelial-mesenchymal transformation in nasopharyngeal carcinoma.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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