

# Recombinant Human Nuclear Receptor Corepressor 2, GST-tagged

**Cat. No.** NCOR2-1889H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human NCOR2 DAD domain (amino acids 395-489) with N-terminal GST tag.                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                            |
| <b>Protein Length</b>   | 395-489 a.a.                                                                                                                                                                                                                                                      |
| <b>Description</b>      | NCOR2 are transcriptional corepressors that play an essential role in the regulation of development and metabolism. The interaction of HDAC3 with the deacetylase activation domain (DAD) of NCOR2 is required for activation of the otherwise inert deacetylase. |
| <b>Form</b>             | Liquid in 50 mM Tris-HCl, pH 8.0 + 138 mM NaCl + 20 mM glutathione + 10% glycerol.                                                                                                                                                                                |
| <b>Molecular Weight</b> | 39 kDa                                                                                                                                                                                                                                                            |
| <b>Applications</b>     | Enzyme kinetics; Screening inhibitors; Selectivity profiling. The optimal antibody concentration should be determined for each specific application.                                                                                                              |
| <b>storage</b>          | Stable for 6 months in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.                                                                                                                                                                              |
| <b>Official Symbol</b>  | NCOR2                                                                                                                                                                                                                                                             |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## Pathways

Adipogenesis; Androgen Receptor Signaling Pathway; Delta-Notch Signaling Pathway; Developmental Biology; Fatty acid triacylglycerol; Metabolism of lipids and lipoproteins; Notch signaling pathway; Notch-mediated HES/HEY network; RXR and RAR heterodimerization with other nuclear receptor; Regulation of Lipid Metabolism by Peroxisome proliferator-activated receptor alpha (PPARalpha); Retinoic acid receptors-mediated signaling

## GENE INFORMATION

### Gene Name

**NCOR2 nuclear receptor corepressor 2 [ Homo sapiens ]**

### Synonyms

NCOR2; nuclear receptor corepressor 2; SMRT; TRAC; CTG26; SMRTE; TRAC1; N-CoR2; TNRC14; TRAC-1; SMAP270; FLJ25011; SMRTE-tau; nuclear receptor corepressor 2; OTTHUMP00000197398; OTTHUMP00000197399; OTTHUMP00000197400; OTTHUMP00000197402; CTG repeat protein 26; T3 receptor-associating factor; thyroid-, retinoic-acid-receptor-associated corepressor; silencing mediator for retinoid and thyroid hormone receptors

### Gene ID

**9612**

### mRNA Refseq

**NM\_006312**

### Protein Refseq

**NP\_006303**

### MIM

**600848**

### UniProt ID

**Q9BT61**

### Chromosome Location

**12q24**

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                 |                                                                                                                                                                               |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Function</b> | Notch binding; chromatin binding; histone deacetylase binding; protein N-terminus binding; protein binding; sequence-specific DNA binding; transcription corepressor activity |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                     |
|-------------------------------------|
| <b>PDB rendering based on 1xc5.</b> |
|-------------------------------------|

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA