

Active Recombinant Human NCOR1, His-tagged

Cat. No. NCOR1-8484H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human NCOR1, fused with His tag, was expressed in Sf21 Cells.
Species	Human
Source	Sf21 Cells
Description	This gene encodes a protein that mediates ligand-independent transcription repression of thyroid-hormone and retinoic-acid receptors by promoting chromatin condensation and preventing access of the transcription machinery. It is part of a complex which also includes histone deacetylases and transcriptional regulators similar to the yeast protein Sin3p. This gene is located between the Charcot-Marie-Tooth and Smith-Magenis syndrome critical regions on chromosome 17. An alternatively spliced transcript variant has been described, but its full length sequence has not been determined.
Form	20 mM Tris-Cl, pH 7.9, 20% Glycerol, 100 mM KCl, 1 mM DTT and 0.2 mM EDTA
Bio-activity	1 unit equals 1 ng of purified protein. 100 units are sufficient for a protein-protein interaction assay.
Purity	>95% as determined by SDS-PAGE
Storage	-80 °C
Concentration	700 µg/ml

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Shipping

Dry Ice

GENE INFORMATION
Gene Name
[NCOR1 nuclear receptor corepressor 1 \[Homo sapiens \]](#)
Official Symbol

NCOR1

Synonyms

NCOR1; nuclear receptor corepressor 1; nuclear receptor co repressor 1; hCIT529I10; hN CoR; KIAA1047; MGC104216; N CoR; thyroid hormone and retinoic acid receptor associated corepressor 1; TRAC1; nuclear receptor co-repressor 1; thyroid hormone- and retinoic acid receptor-associated corepressor 1; N-CoR; N-CoR1; hN-CoR;

Gene ID
[9611](#)
mRNA Refseq
[NM_006311](#)
Protein Refseq
[NP_006302](#)
MIM
[600849](#)
UniProt ID
[O75376](#)
**Chromosome
Location**

17p11.2

Pathway

Adipogenesis, organism-specific biosystem; BMAL1:CLOCK/NPAS2 Activates Circadian Expression, organism-specific biosystem; C-MYB transcription factor network, organism-specific biosystem; Circadian Clock, organism-specific biosystem; Circadian Repression of Expression by REV-ERBA, organism-specific biosystem;

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Delta-Notch Signaling Pathway, organism-specific biosystem; Developmental Biology, organism-specific biosystem;

Function

histone deacetylase binding; histone deacetylase regulator activity; protein binding; retinoid X receptor binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; thyroid hormone receptor binding; transcription corepressor activity; transcription corepressor activity; transcription regulatory region DNA binding;

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