

Recombinant Rat Nr4a1 Protein, His-tagged

Cat. No. Nr4a1-1855R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Nr4a1 Protein (Gly264-Pro352) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Gly264-Pro352
Description	Enables DNA-binding transcription activator activity, RNA polymerase II-specific; glucocorticoid receptor binding activity; and protein heterodimerization activity. Involved in several processes, including neurotransmitter secretion involved in regulation of skeletal muscle contraction; response to amphetamine; and response to lipopolysaccharide. Located in nucleus. Used to study Parkinson's disease and chronic kidney disease. Biomarker of mesangial proliferative glomerulonephritis. Orthologous to human NR4A1 (nuclear receptor subfamily 4 group A member 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 13.8 kDa Accurate Molecular Mass: 16 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	Nr4a1 nuclear receptor subfamily 4, group A, member 1 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Nr4a1
Synonyms	Nr4a1; nuclear receptor subfamily 4, group A, member 1; HMR; Nur77; Ngfi-b; nuclear receptor subfamily 4 group A member 1; Orphan nuclear receptor HMR; immediate early gene transcription factor NGFI-B; nerve growth factor induced protein I-B
Gene ID	79240
mRNA Refseq	NM_024388
Protein Refseq	NP_077364
UniProt ID	P22829

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