

Recombinant Rat Nucb2 Protein, His&GST-tagged

Cat. No. Nucb2-1873R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Nucb2 Protein (Pro26-Leu106) with N-His&GST tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Pro26-Leu106
Description	Enables G-protein alpha-subunit binding activity; guanyl-nucleotide exchange factor activity; and tumor necrosis factor receptor binding activity. Involved in several processes, including negative regulation of cell communication; positive regulation of testosterone secretion; and response to melanocyte-stimulating hormone. Located in Golgi medial cisterna and extracellular space. Biomarker of obesity and type 2 diabetes mellitus. Orthologous to human NUCB2 (nucleobindin 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 39.5 kDa Accurate Molecular Mass: 39 kDa
Purity	> 97%
Applications	Cell culture; Activity Assays.

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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	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

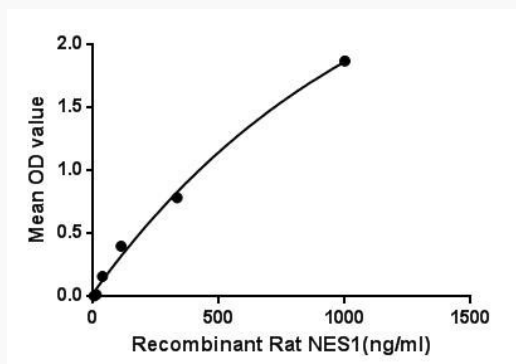
Gene Name	Nucb2 nucleobindin 2 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Nucb2
Synonyms	Nucb2; nucleobindin 2; p54; Nefa; nucleobindin-2; DNA-binding protein NEFA; nesfatin-1; pronefastin; prenesfatin
Gene ID	59295
mRNA Refseq	NM_021663
Protein Refseq	NP_067695
UniProt ID	Q9JI85

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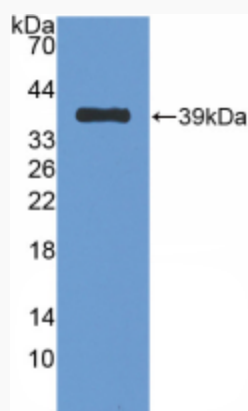
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Bioactivity



The binding activity of NES1 with GADD45b.



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