

Recombinant Rat Wnt3a Protein, His-tagged

Cat. No. Wnt3a-586R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Wnt3a Protein (Ser26-Lys359) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ser26-Lys359
Description	Predicted to enable several functions, including co-receptor binding activity; signaling receptor binding activity; and transcription coactivator activity. Predicted to be involved in several processes, including canonical Wnt signaling pathway involved in heart development; nervous system development; and positive regulation of macromolecule metabolic process. Predicted to act upstream of or within several processes, including animal organ development; chordate embryonic development; and positive regulation of macromolecule metabolic process. Predicted to be located in cell surface. Predicted to be part of Wnt-Frizzled-LRP5/6 complex. Predicted to be active in extracellular space and glutamatergic synapse. Biomarker of hypothyroidism. Orthologous to human WNT3A (Wnt family member 3A).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 41.0 kDa Accurate Molecular Mass: 41 kDa

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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	100mM NaHCO ₃ , 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Wnt3a wingless-type MMTV integration site family, member 3A [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Wnt3a
Synonyms	WNT3A; wingless-type MMTV integration site family, member 3A; protein Wnt-3a; wingless-related MMTV integration site 3A
Gene ID	303181
mRNA Refseq	NM_001107005

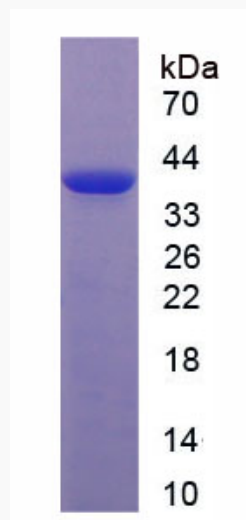
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Protein Refseq NP_001100475

UniProt ID F1M077



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