

Recombinant Mouse Wnt3a Protein, His-tagged

Cat. No. Wnt3a-585M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Wnt3a Protein (Met1-Phe290+DSSTTTTTTESGC) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Phe290+DSSTTTTTTESGC
Description	Enables protein domain specific binding activity; signaling receptor binding activity; and transcription coactivator activity. Involved in several processes, including COP9 signalosome assembly; calcium ion transmembrane transport via low voltage-gated calcium channel; and nervous system development. Acts upstream of or within several processes, including animal organ development; chordate embryonic development; and positive regulation of macromolecule metabolic process. Located in cell surface and extracellular space. Is active in glutamatergic synapse. Is expressed in several structures, including alimentary system; central nervous system; embryo ectoderm; genitourinary system; and sensory organ. Orthologous to human WNT3A (Wnt family member 3A).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 41.1 kDa Accurate Molecular Mass: 41 kDa

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Purity	> 97%
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	20mM Tris, 150mM NaCl, pH8.0, 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-related MMTV integration site 3A [Mus musculus (house mouse)]
Official Symbol	Wnt3a
Synonyms	WNT3A; wingless-related MMTV integration site 3A; protein Wnt-3a; vestigial tail; vt; Wnt-3a
Gene ID	22416
mRNA Refseq	NM_009522
Protein Refseq	NP_033548

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UniProt ID

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