

Recombinant Human WNT3A protein, GST-tagged

Cat. No. WNT3A-4930H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human WNT3A(1 a.a. - 385 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-385 a.a.
Description	The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It encodes a protein which shows 96% amino acid identity to mouse Wnt3A protein, and 84% to human WNT3 protein, another WNT gene product. This gene is clustered with WNT14 gene, another family member, in chromosome 1q42 region.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	69.3 kDa
AA Sequence	MAPLG YFLL LKQALGS YPIWWSLAVGPQYSSLGSQPILCASIPGLVPKQLRFCR NYVEIMPSVAEGIKIGIQ ECQHQFRGRRWNCCTTVHDSLAI FGPVLDKATRESAFVHAI ASAGVAFAVTRSCAEGTAAICGCSSRHQGSPGKGW KWGGCSEDI EFGGMVSREF ADARENRPDARSAMNRHNNEAGRQAIASHMHLKCKCHGLSGSCEVKTCWWSQPD

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FR AIGDFLKDKYDSASEMVVEKHRESRGWVETLRPRYTYFKVPTERDLVYYEASPN
FCEPNPETGSFGTRDRTCNVSHGIDGCDLLCCGRGHNARAERRREKCRFCVFWH
CCYVSCQECTRVYDVHTCKNPGSRAGNSAHQPPHPQPPVRFH PPLRRAGKVP

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

WNT3A wingless-type MMTV integration site family, member 3A [Homo sapiens]

Official Symbol

WNT3A

Synonyms

WNT3A; wingless-type MMTV integration site family, member 3A; protein Wnt-3a;
MGC119418; MGC119419; MGC119420;

Gene ID

89780

mRNA Refseq

NM_033131

Protein Refseq

NP_149122

MIM

606359

UniProt ID

P56704

**Chromosome
Location**

1q42

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Pathway

Basal cell carcinoma, organism-specific biosystem; Basal cell carcinoma, conserved biosystem; Canonical Wnt signaling pathway, organism-specific biosystem; Class B/2 (Secretin family receptors), organism-specific biosystem; DNA damage response (only ATM dependent), organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; HTLV-I infection, organism-specific biosystem;

Function

extracellular matrix structural constituent; frizzled-2 binding; protein binding; protein domain specific binding; receptor agonist activity; transcription coactivator activity;

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