

Recombinant Human WNT3, GST-tagged

Cat. No. WNT3-5161H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human WNT3 encoding human full-length ORF(1 a.a. - 385 a.a.), fused a GST-tag at N-terminal was expressed in Wheat germ.
Species	Human
Source	Wheat Germ
Description	WNT3 belongs to the Wnt family of signaling proteins that play a key role in maintaining the integrity of embryonic and adult tissues. Expression of WNT3 occurs primarily along the dorsal midline across overlapping regions of the Central Nervous System (CNS). WNT3 signaling is essential for various morphogenetic events including embryonic patterning, cell determination, cell proliferation, CNS development, and cytoskeletal formation.
Purification	Glutathione Sepharose 4 Fast Flow
Formulation	Liquid. 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Sequence	MEPHLLGLLLGLLLGGTRVLGYPIWWSLALGQQYTSLGSQLCGSIPGLVPKQLR FCRNYIEIMPSVAEGVKL GIQECQHQRGRWRWNCTTIDDSLAIFGPVLDKATRESAF VHAIASAGVAFVTRSCAEGTSTICGCDSHHKGPP GEGWKWGGCSEDADFGVLVS REFADARENRPDARSAMNKHNNNEAGRTTILDHMHKCKCHGLSGSCEVKT CWWA QPDFRAIGDFLKDKYDSASEMVVEKHRESRGWVETLRKYSLFKPPTERDLVYYEN SPNFCEPNPETG SFGTRDRTCNVTSHGIDGCDLLCCGRGHNTRTEKRKEKCHCIF HWCCYVSCQECIRIYDVHTCK

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Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
OfficialSymbol	WNT3
GENE INFORMATION	
Gene Name	WNT3 wingless-type MMTV integration site family, member 3 [Homo sapiens]
Synonyms	wingless-type MMTV integration site family, member 3; INT4; Proto-oncogene Int-4 homolog; MGC131950; MGC138321; MGC138323; Proto oncogene Int 4 homolog; Proto oncogene Wnt 3; Wnt 3 proto oncogene protein; WNT 3 proto oncogene protein precursor
Gene ID	7473
mRNA Refseq	NM_030753.3
Protein Refseq	NP_110380.1
MIM	165330
UniProt ID	P56703
Chromosome Location	17q21
Pathway	Basal cell carcinoma; Class B/2 (Secretin family receptors); DNA damage response (only ATM dependent); GPCR ligand binding; HTLV-I infection; Hedgehog signaling pathway; Melanogenesis; Pathways in cancer; Signaling by GPCR; Wnt Signaling Pathway; Wnt Signaling Pathway Net-Path; Wnt Signaling Pathway and Pluripotency; Wnt signaling network

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Function

Frizzled binding; Frizzled-2 binding; Protein domain specific binding; receptor agonist activity

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