

## Recombinant Human WNT4 Protein, His-tagged

Cat. No. WNT4-01H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant protein from the full-length sequence of Homo sapiens Wnt family member 4 (WNT4) (NM\_030761), with a His tag was expressed in human cells.

**Species** Human

**Source** Human Cells

**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, and is the first signaling molecule shown to influence the sex-determination cascade. It encodes a protein which shows 98% amino acid identity to the Wnt4 protein of mouse and rat. This gene and a nuclear receptor known to antagonize the testis-determining factor play a concerted role in both the control of female development and the prevention of testes formation. This gene and another two family members, WNT2 and WNT7B, may be associated with abnormal proliferation in breast tissue. Mutations in this gene can result in Rokitansky-Kuster-Hauser syndrome and in SERKAL syndrome.

**Molecular Mass** 39 kDa

**Endotoxin** Endotoxin level is < 0.1 ng/μg of protein (<1EU /μg)

**Purity** >90% by SDS-PAGE gel and Coomassie Blue staining

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**Applications** Antigen, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies; For research & development use only!

**Storage Buffer** Purified protein formulated in a sterile solution of PBS buffer, pH7.2, without any preservatives

## GENE INFORMATION

**Gene Name** WNT4 Wnt family member 4 [ Homo sapiens (human) ]

**Official Symbol** WNT4

**Synonyms** WNT4; Wnt family member 4; WNT-4; SERKAL; protein Wnt-4; wingless-type MMTV integration site family, member 4

**Gene ID** 54361

**mRNA Refseq** NM\_030761

**Protein Refseq** NP\_110388

**MIM** 603490

**UniProt ID** P56705

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