

## Active Recombinant Human WNT16 Protein

Cat. No. WNT16-114H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** The mature recombinant human Wnt-16b protein containing 336aa (N30-K365) without tag was expressed in E. coli.

**Species** Human

**Source** E.coli

**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 contains two transcript variants diverging at the 5' termini. These two variants are proposed to be the products of separate promoters and not to be splice variants from a single promoter. They are differentially expressed in normal tissues, one of which (variant 2) is expressed at significant levels only in the pancreas, whereas another one (variant 1) is expressed more ubiquitously with highest levels in adult kidney, placenta, brain, heart, and spleen.

**Bio-activity** Measured in a cell proliferation/survival assay using 3T3-L1 mouse embryonic fibroblast adipose-like cells. The ED50 for this effect is 0.4-1.6 µg/mL.

**Molecular Mass** 37.6 kDa

**Product-Related Proteins** 30-365

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<b>Storage</b>	At -80 centigrade. Avoid repeated freeze-thaw cycles.
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<b>Storage Buffer</b>	PBS
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## GENE INFORMATION

<b>Gene Name</b>	WNT16 Wnt family member 16 [ Homo sapiens (human) ]
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<b>Official Symbol</b>	WNT16
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<b>Synonyms</b>	WNT16; Wnt family member 16; protein Wnt-16; Names; wingless-type MMTV integration site family member 16b; wingless-type MMTV integration site family, member 16
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<b>Gene ID</b>	51384
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<b>mRNA Refseq</b>	NM_016087
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<b>Protein Refseq</b>	NP_057171
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<b>MIM</b>	606267
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<b>UniProt ID</b>	Q9UBV4
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