

## Recombinant Human WNT1 Protein

Cat. No. WNT1-110H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** The mature recombinant human Wnt-1 protein containing 343aa 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 is very conserved in evolution, and the protein encoded by this gene is known to be 98% identical to the mouse Wnt1 protein at the amino acid level. The studies in mouse indicate that the Wnt1 protein functions in the induction of the mesencephalon and cerebellum. This gene was originally considered as a candidate gene for Joubert syndrome, an autosomal recessive disorder with cerebellar hypoplasia as a leading feature. However, further studies suggested that the gene mutations might not have a significant role in Joubert syndrome. This gene is clustered with another family member, WNT10B, in the chromosome 12q13 region.

**Molecular Mass** 38.4 kDa

**Storage** At -80 centigrade. Avoid repeated freeze-thaw cycles.

**Storage Buffer** PBS

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## GENE INFORMATION

<b>Gene Name</b>	WNT1 Wnt family member 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	WNT1
<b>Synonyms</b>	WNT1; Wnt family member 1; INT1; OI15; BMND16; proto-oncogene Wnt-1; Names; proto-oncogene Int-1 homolog; wingless-type MMTV integration site family member 1; wingless-type MMTV integration site family, member 1 (oncogene INT1)
<b>Gene ID</b>	7471
<b>mRNA Refseq</b>	NM_005430
<b>Protein Refseq</b>	NP_005421
<b>MIM</b>	164820
<b>UniProt ID</b>	P04628

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