

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

Gene Name	WNT1 Wnt family member 1 [Homo sapiens (human)]
Official Symbol	WNT1
Synonyms	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)
Gene ID	7471
mRNA Refseq	NM_005430
Protein Refseq	NP_005421
MIM	164820
UniProt ID	P04628

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