

Recombinant Full Length Human WNT4 Protein, N-GST/C-His-tagged

Cat. No. WNT4-521HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human WNT4 Protein fused with N-terminal GST and C-terminal His 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, 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.
Form	25mM Tris, pH8.0,150mM NaCl,10% glycerol,1%Sarkosyl.
Molecular Mass	64.6 kDa
AA Sequence	A DNA sequence encoding human full-length WNT4.

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Protein Families	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways	Basal cell carcinoma, Hedgehog signaling pathway, Melanogenesis, Pathways in cancer, Wnt signaling pathway
Full Length	Full L.

GENE INFORMATION

Gene Name	WNT4 Wnt family member 4 [Homo sapiens (human)]
Official Symbol	WNT4
Synonyms	WNT-4; SERKAL
Gene ID	54361
mRNA Refseq	NM_030761.5
Protein Refseq	NP_110388.2
MIM	603490

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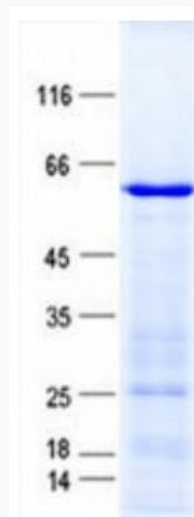
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UniProt ID

P56705

SDS-PAGE

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