

Recombinant Human WNT4 Protein, GST/His-tagged

Cat. No. WNT4-413H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human WNT4 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

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name WNT4 wingless-type MMTV integration site family, member 4 [Homo sapiens]

Official Symbol WNT4

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

Gene ID 54361

mRNA Refseq NM_030761

Protein Refseq NP_110388

MIM 603490

UniProt ID P56705

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