

## Recombinant Human WNT10A Protein, His&GST-tagged

Cat. No. WNT10A-582H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human WNT10A Protein (Ser108-Pro343) with N-His&GST tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ser108-Pro343
<b>Description</b>	<p>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 strongly expressed in the cell lines of promyelocytic leukemia and Burkitt's lymphoma. In addition, it and another family member, the WNT6 gene, are strongly coexpressed in colorectal cancer cell lines. The gene overexpression may play key roles in carcinogenesis through activation of the WNT-beta-catenin-TCF signaling pathway. This gene and the WNT6 gene are clustered in the chromosome 2q35 region.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 56.0 kDa Accurate Molecular Mass: 56 kDa
<b>Purity</b>	> 97%

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	WNT10A Wnt family member 10A [ Homo sapiens (human) ]
<b>Official Symbol</b>	WNT10A
<b>Synonyms</b>	WNT10A; Wnt family member 10A; OODD; SSPS; STHAG4; protein Wnt-10a; wingless-type MMTV integration site family, member 10A
<b>Gene ID</b>	80326
<b>mRNA Refseq</b>	NM_025216
<b>Protein Refseq</b>	NP_079492
<b>MIM</b>	606268

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UniProt ID

Q9GZT5

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