Recombinant Human WNT10A Protein, His&GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Human WNT10A Protein (Ser108-Pro343) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser108-Pro343
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 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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 56.0 kDa Accurate Molecular Mass: 56 kDa
Purity	> 97%

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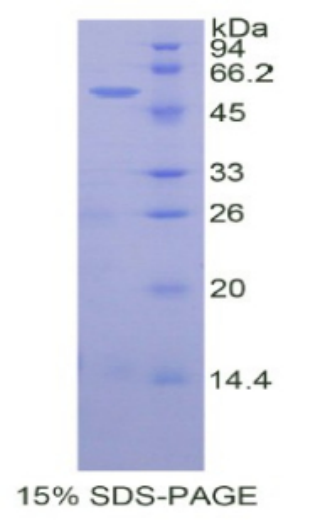
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed.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

GENE INFORMATION

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

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UniProt ID	Q9GZT5



15% SDS-PAGE

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