



# Recombinant Human Proto-oncogene Wnt-3 (WNT3)

<b>Product Code</b>	CSB-EP026135HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P56703
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	GYPIWWSLA LGQQYTSLGS QPLLCGSIPG LVPKQLRFCR NYIEIMPSVA EGVKLGIQEC QHQFRGRRWN CTTIDDSLAI FGPVLDKATR ESAFVHAIAS AGVAFVTRS CAEGTSTICG CDSHHKGPPG EGWKWGGCSE DADFGVLVSR EFADARENRP DARSAMNKHN NEAGRTTILD HMHLKCKCHG LSGSCEVKTC WWAQPDFRAI GDFLKDKYDS ASEMVEKHR ESRGWVETLR AKYSLFKPPT ERDLVYYENS PNFCEPNPET GSFGTRDRTC NVTSHGIDGC DLLCCGRGHN TRTEKRKEKC HCIFHWCCYV SCQECIRIYD VHTCK
<b>Source</b>	E.coli
<b>Target Names</b>	WNT3
<b>Protein Names</b>	Recommended name: Proto-oncogene Wnt-3 Alternative name(s): Proto-oncogene Int-4 homolog
<b>Expression Region</b>	22-355
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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 encodes a protein which shows 98% amino acid identity to mouse Wnt3 protein, and 84% to human WNT3A protein, another WNT gene product. The mouse studies show the requirement of Wnt3 in primary axis formation in the mouse. Studies of the gene expression suggest that this gene may play a key role in some cases of human breast, rectal, lung, and gastric cancer through activation of the WNT-beta-catenin-TCF signaling pathway. This gene is clustered with WNT15, another family member, in the chromosome 17q21 region.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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### Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.