

## Product datasheet for **TP790160**

### WNT3 (NM\_030753) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human wingless-type MMTV integration site family, member 3 (WNT3), with C-terminal DDK tag, secretory expressed in CHO cells, 20ug
Species:	Human
Expression Host:	CHO
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC211115, encoding the region Gly22-Lys355 of WNT3
Tag:	C-DDK
Predicted MW:	37.4 kDa
Concentration:	>0.05 µg/µL as determined by Bradford protein assay
Purity:	> 90% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH 7.4, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_110380</a>
Locus ID:	7473
UniProt ID:	<a href="#">P56703</a>
RefSeq Size:	1506
Cytogenetics:	17q21.31-q21.32
RefSeq ORF:	1065
Synonyms:	INT4; TETAMS



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**Summary:**

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. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome, Secreted Protein, Transmembrane

**Protein Pathways:**

Basal cell carcinoma, Hedgehog signaling pathway, Melanogenesis, Pathways in cancer, Wnt signaling pathway

**Product images:**