

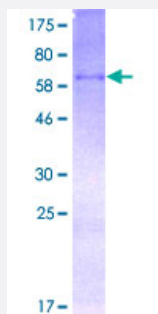
Full-Length

WNT3A (Human) Recombinant Protein (P01)

Catalog # H00089780-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human WNT3A full-length ORF (AA103922.1, 1 a.a. - 385 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAPLGYFLLLC SLKQALGSYPWWSLAVGPQYSSLGSQPILCASIPGLVPKQLRFCRNYVEIMPSV
AEGIKIGIQECQHQRGRRWNC TTVHDSLAI FG PVL DKATRESAFVHAIASAGVAFVTRSCAEGT
AAICGCSSRHQGS PGKGWKWGGCSEIEFGGMVSREFADARENRPDARSAMNRHNNEAGRQ
AASHMHLKCKCHGLSGSCEVKTCWWSQPDFRAIGDFLKD KYDSASEMVVEKHRESRGWVETL
RPRYTYFKVPTERDLVYYEASPNFCEPNPETGSFGTRDRTC NVSSHGIDGCDLLCCGRGHNARA
ERRREKCR CVFHWCCYVSCQECTRVYDVHTCKNPGSRAGNSAHQPPHPQPPVRFHPPLRRAG
KVP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

69.3

Interspecies Antigen Sequence

Mouse (96); Rat (95)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — WNT3A

Entrez GeneID	89780
GeneBank Accession#	BC103921.1
Protein Accession#	AAI03922.1
Gene Name	WNT3A
Gene Alias	MGC119418, MGC119419, MGC119420
Gene Description	wingless-type MMTV integration site family, member 3A
Omim ID	606359
Gene Ontology	Hyperlink
Gene 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 96% amino acid identity to mouse Wnt 3A protein, and 84% to human WNT3 protein, another WNT gene product. This gene is clustered with WNT14 gene, another family member, in chromosome 1q42 region. [provided by RefSeq]
Other Designations	OTTHUMP00000035713

Publication Reference

- [Wnt3a promotes radioresistance via autophagy in squamous cell carcinoma of the head and neck.](#)

Jing Q, Li G, Chen X, Liu C, Lu S, Zheng H, Ma H, Qin Y, Zhang D, Zhang S, Ren S, Huang D, Tan P, Chen J, Qiu Y, Liu Y.
Journal of Cellular and Molecular Medicine 2019 Jul; 23(7):4711.

Application: Func, Human, 6-10B, SCCHN Tu686 cells

- [Blockage of a miR-21/EGFR regulatory feedback loop augments anti-EGFR therapy in glioblastomas.](#)

Zhang KL, Han L, Chen LY, Shi ZD, Yang M, Ren Y, Chen LC, Zhang JX, Pu PY, Kang CS.
Cancer Letters 2014 Jan; 342(1):139.

Application: WB-Ce, Human, U87, LN229 cells

Pathway

- [Basal cell carcinoma](#)
- [Hedgehog signaling pathway](#)
- [Melanogenesis](#)
- [Pathways in cancer](#)
- [Wnt signaling pathway](#)

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)