

# Recombinant Human WNT3A Protein (Ser19-Lys352), His tagged

**Cat. No.** WNT3A-3644H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human WNT3A (Ser19-Lys352) protein fused with His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | Ser19-Lys352                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | Ligand for members of the frizzled family of seven transmembrane receptors (Probable). Functions in the canonical Wnt signaling pathway that results in activation of transcription factors of the TCF/LEF family. Required for normal embryonic mesoderm development and formation of caudal somites. Required for normal morphogenesis of the developing neural tube (By similarity). Mediates self-renewal of the stem cells at the bottom on intestinal crypts (in vitro). |
| <b>Molecular Mass</b>   | 37.91 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>           | >90 % as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Notes</b>            | For research use only.                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>          | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the                                                                                                                                                                                                                                                                                                         |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | date of receipt.                                                                                                                                      |
| <b>Storage Buffer</b> | Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.                                                                               |
| <b>Reconstitution</b> | Reconstitute in sterile water for a stock solution.                                                                                                   |
| <b>Shipping</b>       | In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise. |

## GENE INFORMATION

|                        |                                                                                                                |
|------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | WNT3A wingless-type MMTV integration site family, member 3A [ Homo sapiens (human) ]                           |
| <b>Official Symbol</b> | WNT3A                                                                                                          |
| <b>Synonyms</b>        | WNT3A; wingless-type MMTV integration site family, member 3A; protein Wnt-3a; MGC119418; MGC119419; MGC119420; |
| <b>Gene ID</b>         | 89780                                                                                                          |
| <b>mRNA Refseq</b>     | NM_033131                                                                                                      |
| <b>Protein Refseq</b>  | NP_149122                                                                                                      |
| <b>MIM</b>             | 606359                                                                                                         |
| <b>UniProt ID</b>      | P56704                                                                                                         |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA