

Human Wnt-3a

Name and Synonyms:	Recombinant Human Wnt-3a, Wingless-type MMTV (mouse mammary tumor virus) integration site family member 3a
Cat. # and size:	P701-5 5 µg P701-25 25 µg P701-100 100 µg
Purity:	Greater than 85% as determined by SDS-PAGE and HPLC analysis.
Biological Activity:	The activity was determined by using a TCF reporter gene assay in cultured human cells. The EC50 ranges from 50 - 200 ng/ml.
Formulation:	Lyophilized in sterile filtered solution of PBS with 1% CHAPS.
Application:	This product is for research use only.
Product Description:	Wnt-3a is a member of the Wnt family of signaling proteins that play key roles in embryonic development and the maintenance of adult tissues. Wnt-3a is a prototypic canonical Wnt that signals through the beta-catenin pathway. The predicted size of human Wnt-3a is a monomeric protein containing 328 amino acid residues. Due to glycosylation, it migrates at an apparent molecular weight of 38 - 41 kDa on SDS-PAGE under non-reducing conditions. 101Bio's Wnt-3a is produced from a human cell line overexpressing human Wnt-3a cDNA in protein-free medium.
Shipping / Storage:	Ship at room temperature. The lyophilized protein is stable for 6 months if stored at -80°C. Reconstituted protein is stable for two weeks at 4°C. Stored in aliquots at -80°C for longer term. Avoid repeated freeze and thaw.
Country of Origin:	USA
Remark:	Purified from human cells by a proprietary process. Xeno-free.
Reconstitution:	Briefly spin the tube. Add sterile H ₂ O to the bottom of the tube to a concentration of 100 ng/µL. Because of the hydrophobic nature of this protein, further dilutions should be made in buffer or medium containing carrier proteins, such as albumin or serum.