

Mouse Wnt-3a

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| Name and Synonyms: | Mouse Recombinant Wnt-3a, Wingless-type MMTV (mouse mammary tumor virus) integration site family member 3a |
| Cat. # and size: | P702-5 5 µg P702-25 25 µg P702-100 100 µg |
| Purity: | Greater than 85% as determined by SDS-PAGE analysis. |
| Biological Activity: | The activity was determined by using a TCF reporter gene assay in NIH3T3 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 a key role in embryonic development and the integrity of adult tissues. Wnt-3a is a prototypic canonical Wnt that signals through the β -catenin pathway. The predicted size of mouse Wnt-3a is a monomeric protein containing 333 amino acid residues. Due to glycosylation, it migrates at an apparent molecular weight of 40 kDa by SDS-PAGE analysis under non-reducing conditions. 101Bio's product is expressed from the L1 mouse cell line overexpressing Wnt-3a. Purification is performed with a proprietary process that is distinct from the published method. |
| Shipping / Storage: | Ship at room temperature. The lyophilized protein is stable for 6 months if stored at -80°C. Reconstituted protein is stable for 4 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 mouse cells. |
| Reconstitution: | Briefly spin the tube. Add sterile H ₂ O to the bottom of the tube to a concentration of 100 ng/uL. 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. |