

Mouse Wnt-5a

Name and Synonyms:	Recombinant mouse Wnt-5a, Wingless-type MMTV (mouse mammary tumor virus) integration site family member 5a
Cat. # and size:	P704-5 5 µg P704-25 25 µg P704-100 100 µg
Purity:	Greater than 80% as determined by SDS-PAGE and HPLC analysis.
Biological Activity:	The activity was determined by using a TCF reporter gene assay in 293 cells transfected with Frizzled-4 and LRP-5. WNT-5a activates (instead of inhibits) the TCF reporter gene in this assay (Milkels AJ, et al., PLoS Biol, 4:e115, 2006).
Formulation:	Lyophilized in sterile filtered solution of PBS with 1% CHAPS.
Application:	This product is for research use only.
Product Description:	WNT-5a belongs to the class of WNT proteins that activate the “non-canonical” pathway. The predicted size of mouse WNT-3a is a monomeric protein containing 356 amino acid residues. Due to glycosylation, it migrates at an apparent molecular weight of ~45 kDa by SDS-PAGE analysis under non-reducing conditions. 101Bio’s product is expressed from L1 mouse cell line, and purified 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 L1 mouse cell line.
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.