

HUMAN WNT3A PROTEIN**Cat.#:** 12021**Product Name:** Human Wnt3A Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** MGC119418;MGC119419;MGC119420;protein Wnt-3a;wingless-type MMTV integration site family;member 3A;Wnt3a;Wnt-3a**Target:** Wnt3a**UNIPROT ID:** P56704**Description:** Recombinant Human Protein Wnt-3a is produced by our Mammalian expression system and the target gene encoding Ser19-Lys352 is expressed with a fusion design at the N-terminus.**Background:** Wnt-3a is one of 19 vertebrate members of the Wingless-type MMTV integration site (Wnt) family of highly conserved cysteine-rich secreted glycoproteins important for normal developmental processes. 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).**Species/Host:** HEK293**Molecular Weight:** 105.9 KDa**Molecular Characterization:** Not available**Purity:** Greater than 90% as determined by reducing SDS-PAGE.**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

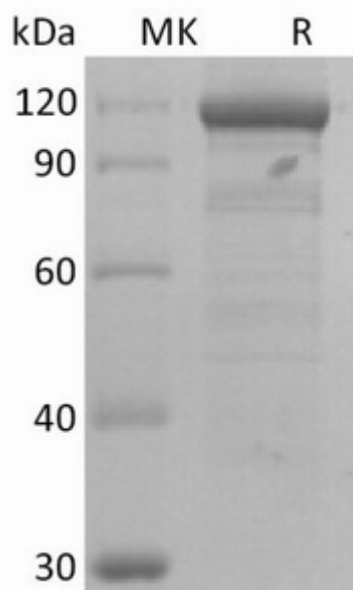


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.