

Wnt3a Protein, Mouse, Recombinant (His)

General Information

Synonyms: Wnt-3a;Protein Wnt-3a;Wnt3a

Protein Construction: 19-352 aa

Species: Mouse

Expression Host: E. coli

Accession: P27467

Molecular Weight: 40.9 kDa (predicted)

AA Sequence: SYPIWWSLAVGPQYSSLSTQPILCASIPGLVPKQLRFCRNYVEIMPSVAEGVKAGIQECQHQFRGRRWNCTTV
SNSLAIFGVPVLDKATRESAFVHAIASAGVAFVTRSCAEGSAAICGSSRLQGSPGEGWKWGGCSEIDIEFGGM
VSREFADARENRPDARSAMNRHNNEAGRQAIASHMHLKCKCHGLSGSCEVKTCWWSQPDFRTIGDFLKDK
YDSASEMVVEKHRESRGWVETLRPRYTYFKVPTERDLVYEEASPNFCEPNPETGSFGTRDRTCNVSSHGIDGC
DLLCCGRGHNARTERRREKCHCVFHWCCYVSCQECTRVYDVHTCK

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. For confirmed protein cellular activity, we recommend selecting TMPY-06987.

Purity: > 85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Ligand for members of the frizzled family of seven transmembrane receptors. 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. Mediates self-renewal of the stem cells at the bottom on intestinal crypts (in vitro).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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