

Wnt3a Protein, Human, Recombinant (His)

General Information

Synonyms: Protein Wnt-3a;WNT3A

Protein Construction: 19-351 aa

Species: Human

Expression Host: E. coli

Accession: P56704

Molecular Weight: 41.3 kDa (predicted)

AA Sequence: SYPIWWSLAVGPQYSSLGSQLCASIPGLVPKQLRFCRNYVEIMPSVAEGIKIGIQECQHQFRGRRWNCTTVH
DSLAIFGPVLDKATRESAFVHAIASAGVAFVTRSCAEGTAAICGSSRHQSGPGKGWKWGGCSEIDIEFGGM
VSREFADARENRPDARSAMNRHNNEAGRQAIASHMHLKCKCHGLSGSEVKTCWWSQPDFRAIGDFLKDK
YDSEMVVEKHRESRGWVETLRPRYTYFKVPTERDLVYYEASPNFCEPNPETGSFGTRDRTCNVSSHGIDGC
DLLCCGRGHNARAERRREKRCRCVFWCCYVSCQECTRVYDVHTC

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 90% as determined by SDS-PAGE.

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

Formulation: Tris/PBS-based buffer, 6% Trehalose.

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

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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