Wnt-3a, Human, Recombinant

Cat. No. : PCK370

General Information

Synonyms	MGC119418; MGC119419; MGC119420; protein Wnt-3a; wingless-type MMTV integration site family, member 3A; Wnt3a; Wnt-3a
Species	Human
Expression host	HEK-293
Sequence	MAPLGYFLLLCSLKQALGSYPIWWSLAVGPQYSSLGSQPILCASIPGLVPKQL RFCRNYVEIMPSVAEGIKIGIQECQHQFRGRRWNCTTVHDSLAIFGPVLDKA TRESAFVHAIASAGVAFAVTRSCAEGTAAICGCSSRHQGSPGKGWKWGGCS EDIEFGGMVSREFADARENRPDARSAMNRHNNEAGRQAIASHMHLKCKCH GLSGSCEVKTCWWSQPDFRAIGDFLKDKYDSASEMVVEKHRESR
Accession	P56704
Mol mass	105.7 kDa
Expiration date	12 months

Product feature

Purity	> 95% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin	< 0.1 EU per 1 μg of the protein by the LAL method.
Storage	Store at -5~-20°C or -80°C for 6 months. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
Shipping	Ambient temperature or ice pack.
Formulation	The protein was lyophilized from a 0.2 μm filtered solution containing 1 × PBS, pH8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

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).

SDS-PAGE