Recombinant Human Wnt3a/Wnt-3a

Catalog Number:PKSH033972

Note: Centrifuge before opening to ensure complete recovery of vial contents.

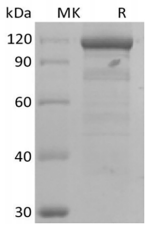
Description

Synonyms	MGC119418;MGC119419;MGC119420;protein Wnt-3a;wingless-type MMTV integration site family;member 3A;Wnt3a;Wnt-3a
Species	Human
Expression Host	HEK293 Cells
Calculated Molecular Weight	58.5 kDa
Observed molecular weight	66-73 kDa
Tag	None
Bioactivity	Measured by its ability to induce Topflash reporter activity in HEK293T human embryonic kidney cells.The ED50 for this effect is 71.45 ng/ml.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.01 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μm filtered solution of 25mM Tris-HCl, 500mM NaCl, pH8.2.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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).

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