

Recombinant Mouse Angpt4 protein, His & GST-tagged

Cat. No. Angpt4-751M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Angpt4 aa. (Phe32~Pro144) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Phe32~Pro144
Description	This gene is a member of the angiopoietin family of secreted growth factors comprising Angiopoietins-1, -2, and -3, all of which bind the TEK Receptor Tyrosine Kinase. Angiopoietin/TEK Receptor Tyrosine Kinase signaling is involved in survival and migration of endothelial cells and regulates vascular remodeling and maintenance of vascular integrity. Angiopoietin/TEK Receptor Tyrosine Kinase signaling is also required for lymphangiogenesis. Family members bind TEK Receptor Tyrosine Kinase as multimeric clusters but their oligomerization properties differ from one another and this is thought to provide a mechanistic basis for their distinct physiologic roles.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 40.0kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Purity	>95%
Characteristic	The isoelectric point is 8.2.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Angpt4 angiopoietin 4 [Mus musculus (house mouse)]
Official Symbol	Angpt4
Synonyms	Ang3; ANG-3; ANG-4; Agpt4; angiopoietin-4; angiopoietin-3
Gene ID	11602
mRNA Refseq	NM_009641.2
Protein Refseq	NP_033771.1

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UniProt ID

Q9WVH6

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