Recombinant Mouse Angiopoietin 4

Cat. No. Angpt4-2519M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Mouse
Source	Mammalian Cells
Description	Angiopoietin-4 is a protein that in humans is encoded by the ANGPT4 gene. Angiopoietins are proteins with important roles in vascular development and angiogenesis. All angiopoietins bind with similar affinity to an endothelial cell-specific tyrosine-protein kinase receptor. The mechanism by which they contribute to angiogenesis is thought to involve regulation of endothelial cell interactions with supporting perivascular cells. The protein encoded by this gene functions as an agonist and is an angiopoietin.
Analysis Note	The biological activity is measured by its ability to bind immobilized Tie-2/Fc in ELISA.
Form	lyophilized powder.
Mol Wt	apparent mol wt 85-90 kDa by SDS-PAGE (reducing) calculated mol wt ~58 kDa.
Total Impurities	endotoxin, tested.
Physical Form	Lyophilized from a 0.2 μm filtered solution in 50 mM Tris citrate and 0.5 M sodium chloride, pH 6.5, containing 1.25 mg bovine serum albumin.

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Assay	≥90% (SDS-PAGE).
Storage Temp	−20°C.

GENE INFORMATION

Gene Name	Angpt4 angiopoietin 4 [Mus musculus]
Synonyms	angiopoietin 4; Ang3; Agpt4; MGC156453; Angpt4; angiopoietin-4; ANG-3; ANG-4 angiopoietin 3; angiopoietin-3; OTTMUSP00000016888
Gene ID	11602
mRNA Refseq	NM_009641
Protein Refseq	NP_033771
UniProt ID	Q9WVH6
Chromosome Location	2 G3; 2 84.0 cM
Function	receptor binding; vascular endothelial growth factor receptor binding

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