

Active Recombinant Mouse Angpt2 Protein, C-6xHis tagged

Cat. No. Angpt2-2163M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Angpt2 Protein with C-6xHis tag was expressed in CHO.
Species	Mouse
Source	CHO
Description	This gene encodes an endothelial cell (EC)-derived regulator of angiogenesis and ligand for endothelial-specific receptor tyrosine kinase. The encoded protein acts as an anti-apoptotic factor for stressed ECs and a proapoptotic factor for resting ECs.
Bio-activity	Measured by its ability to activate Tie-2 in C6 rat glial cells transfected with human Tie-2. 1 µg/mL of Recombinant Mouse Angiopoietin-2 significantly induces phosphorylation of human Tie-2 in the presence of a cross-linking antibody, Mouse Anti-polyHistidine Monoclonal Antibody.
Molecular Mass	Predicted Molecular Mass: 49.7 kDa SDS-PAGE: 60-66 kDa, reducing conditions
N-terminal Sequence Analysis	Asp68
Endotoxin	< 0.10 EU/µg of the protein by the LAL method.
Purity	> 95%, by SDS-PAGE under reducing conditions and visualized by silver stain

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Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <p>12 months from date of receipt, -20 to -70 centigrade as supplied.</p> <p>1 month, 2 to 8 centigrade under sterile conditions after reconstitution.</p> <p>3 months, -20 to -70 centigrade under sterile conditions after reconstitution.</p>
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in HEPES, NaCl and CHAPS with BSA as a carrier protein.
Reconstitution	Reconstitute at 100 µg/mL in sterile, deionized water.
Shipping	The product is shipped at ambient temperature.

GENE INFORMATION

Gene Name	Angpt2 angiopoietin 2 [Mus musculus (house mouse)]
Official Symbol	Angpt2
Synonyms	ANGPT2; angiopoietin 2; angiopoietin-2; Ang2; Agpt2; Ang-2;
Gene ID	11601
mRNA Refseq	NM_007426
Protein Refseq	NP_031452

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