

TIE-2 Protein, Human (HEK293, His-Fc)

Cat. No.:	HY-P73434
Synonyms:	Angiopoietin-1 receptor; CD202b; hTIE2; p140 TEK; Tie2; VMCM
Species:	Human
Source:	HEK293
Accession:	AAA61139.1 (A23-K745)
Gene ID:	7010
Molecular Weight:	Approximately 130.7 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	TIE2 Protein binds to angiogenin-1 and mediates signaling pathways that play a role in embryonic vascular development. TIE2 Protein has anti-inflammatory effects by regulating the activity of pro-inflammatory plasma proteins and leukocytes from the blood vessels. TIE2 Protein regulates angiogenesis, endothelial cell survival, proliferation, migration, adhesion, and cell spreading, as well as the reorganization of the actin cytoskeleton. The expression of TIE2 Protein can promote tumor angiogenesis and accelerate tumor growth and metastasis ^{[1][2]} .
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA