

Recombinant Human Heparin-binding EGF-like Growth Factor

Catalog No: #AP60083

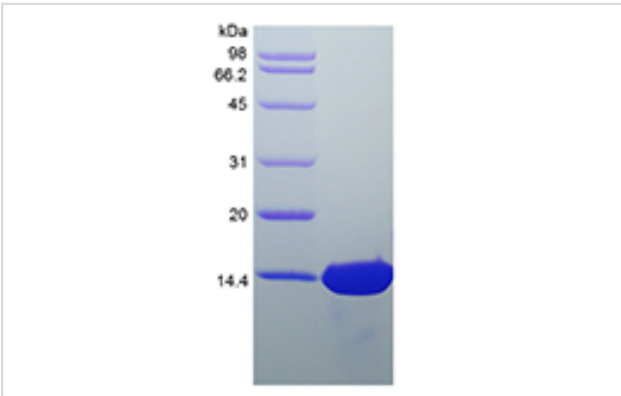
Package Size: #AP60083-1 10ug #AP60083-2 100ug #AP60083-3 500ug

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Description

Product Name	Recombinant Human Heparin-binding EGF-like Growth Factor
Purification	> 97% by SDS-PAGE and HPLC analyses.
Other Names	HBEGF, DT-R
Uniprot	Q99075
GeneID	1839
Calculated MW	Approximately 9.7 kDa, a single non-glycosylated polypeptide chain containing 86 amino acids.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 10 mM PB, 500 mM NaCl, 5% trehalose, pH 7.4.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. □ A minimum of 12 months from date of receipt, when stored at β -20 °C as supplied. □ 1 month, 2 to 8 °C under sterile conditions after reconstitution. □ 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Images



Background

Heparin-binding epidermal growth factor (HB-EGF)-like growth factor (EGF) is found in cerebral neurons. Its expression is increased after hypoxic or ischemic injury, which also stimulates neurogenesis. HB-EGF has been implicated as a participant in a variety of normal physiological processes such as blastocyst implantation, wound healing, and in pathological processes such as tumor growth, SMC hyperplasia and atherosclerosis. HB-EGF is an 87 amino acid mitogenic and chemotactic glycoprotein containing an EGF-like domain with six conserved cysteine residues. Human HB-EGF shares about 73% and 76% a.a. sequence identity with murine and rat HB-EGF.

Note: This product is for in vitro research use only