✕ abeomics

9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-8899: Recombinant Human Heparin Binding EGF like Growth Factor/proHB-EGF(C-6His)

Gene : HBEGF
Gene ID : 1839
Uniprot ID : Q99075

Description

Source: Human Cells.
MW :15.1kD.
Recombinant Human Heparin Binding EGF like Growth Factor is produced by our Mammalian expression system and the target gene encoding Leu20-Leu148 is expressed with a 6His tag at the C-terminus. Heparin-binding EGF-like growth factor (HB-EGF) is a 12Â16 kDa member of the epidermal growth factor (EGF) family. It possesses an EGFÂlike domain, and a heparin-binding motif. Mature HBÂEGF is a soluble peptide that arises from proteolytic processing of the transmembrane form. Human HBÂEGF shows 76% and 73% aa sequence identity with rat and mouse HBÂEGF, respectively. It is required for normal cardiac valve formation and normal heart function, promotes smooth muscle cell proliferation. It may be involved in macrophage-mediated cellular proliferation; it is mitogenic for fibroblasts, but not endothelial cells. HBÂEGF classified as a group 2 ErbB ligand based on its ability to activate both the EGF/ErbB1 and ErbB4 receptors. Activity associated with ErbB4 binding appears to be limited to nonÂmitogenic actions, while EGFR binding induces both mitogenic and nonÂmitogenic activity.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	LVTGESLERLRRGLAAGTSNPDPPTVSTDQLLPLGGGRDRKVRDLQEADLDLLRVTLSSKPQALATPNKEEHG KRKKKGKGLGKKRDPCLRKYKDFCIHGECKYVKELRAPSCICHPGYHGERCHGLSLHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.