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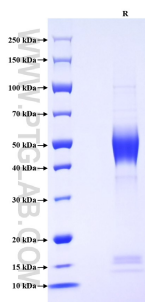
Recombinant Human HBEGF protein (rFc Tag)



Catalog Number: Eg3862

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: C-rFc
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human HBEGF protein Leu20-Thr160 (Accession# Q99075) with a rabbit IgG Fc tag at the C-terminus.</p> <p>GeneID: 1839</p> <p>Accession: Q99075</p> <p>Predicted Molecular Mass: 42.0 kDa</p> <p>SDS-PAGE: 13-17 kDa & 42-54 kDa, reducing (R) condition</p> <p>Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>HBEGF, or heparin-binding epidermal growth factor-like growth factor, is a member of the epidermal growth factor (EGF) family, known for its role in cell proliferation, migration, and inflammation. It is synthesized as a transmembrane protein and can be cleaved by metalloproteinases to form a soluble, mature growth factor that can induce juxtacrine, autocrine, paracrine, or endocrine signaling depending on the cellular environment. HB-EGF expression has been implicated in tumor progression because of its overexpression in many tumors, including hepatocarcinoma, colon, melanoma, myeloma, breast, prostate, and bladder tumors.</p>		
References	<ol style="list-style-type: none">1.Taylor SR. et al. (2014). Semin Cell Dev Biol. 28:22-30.2.Ongusaha PP. et al. (2004). Cancer Res. 64(15):5283-5290.3.Nishi E. et al. (2004). Growth Factors. 22(4):253-260.		
Synonyms	Diphtheria toxin receptor, DT R, DTR, DTS, HB EGF		

Selected Validation Data



Purity of Recombinant Human HBEGF was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) condition and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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