PRODUCT INFORMATION

Target	HBEGF
Synonyms	AW047313;Dtr;Dts;Hegfl
Description	Recombinant mouse HBEGF(24-160) protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q06186
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	Mouse HBEGF(Glu24-Thr160) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 41.3 kDa after removal of the signal peptide.The apparent molecular mass of mHBEGF(24-160)-hFc is approximately 40-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	Growth factor that mediates its effects via EGFR, ERBB2 and ERBB4. Required for normal cardiac valve formation and normal heart function. Promotes smooth muscle cell proliferation. May be involved in macrophage-mediated cellular proliferation. It is mitogenic for fibroblasts, but not endothelial cells. It is able to bind EGF receptor/EGFR with higher affinity than EGF itself and is a far more potent mitogen for smooth muscle cells than EGF. Also acts as a diphtheria toxin receptor.[UniProtKB/Swiss-Prot Function]
Usage	Research use only
Conjugate	Unconjugated

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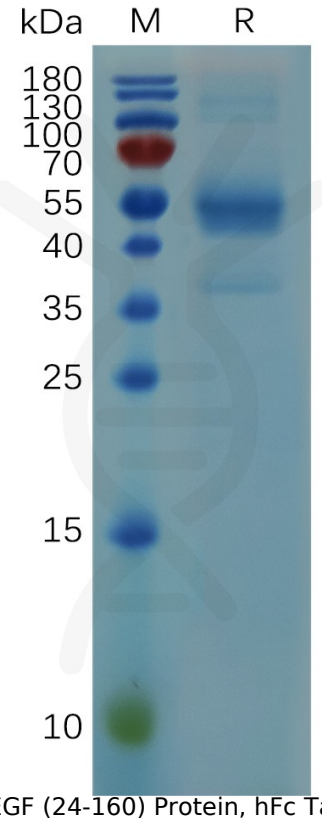


Figure 1.Mouse HBEGF (24-160) Protein, hFc Tag on SDS-PAGE under reducing condition.

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