

Recombinant human HBEGF/DTR protein (Animal Free) ab205523

1 References

描述	
产品名称	重组人HBEGF/DTR蛋白(Animal Free)
生物活性	The activity is determined by the ability to induce proliferation of 3T3 cells and is typically less than 0.2 ng/mL. This corresponds to an expected specific activity of 5×10^6 units/mg.
纯度	> 97 % SDS-PAGE.
内毒素水平	< 0.050 Eu/ μ g
表达系统	Escherichia coli
Accession	<u>Q99075</u>
蛋白长度	Full length protein
无动物成分	Yes
性质	Recombinant
种属	Human
序列	DLQEADLDLLRVTLSKPKALATPNKEEHGKRKKKGKGLGKK RDPCLRKY KDFCIHGCEKYVKELRAPSCICHPGYHGERCHGLSL
预测分子量	10 kDa
氨基酸	63 to 148
额外的序列信息	This is the full length protein without the signal peptide and propeptide.

技术指标	
Our <u>Abpromise guarantee</u> covers the use of ab205523 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
应用	Functional Studies SDS-PAGE
形式	Lyophilized
补充说明	This product was previously labelled as HB EGF

制备和贮存

稳定性和存储

Shipped at 4°C. Upon reconstitution add a carrier protein (0.1% BSA). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Constituent: 0.16% Sodium phosphate

This product is an active protein and may elicit a biological response in vivo, handle with caution.

复溶

Reconstitute with sterile water at 0.1 mg/mL. Centrifuge vial before opening. Suspend the product by gently pipetting the sterile water down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.

常规信息

功能

May be involved in macrophage-mediated cellular proliferation. It is mitogenic for fibroblasts and smooth muscle but not endothelial cells. It is able to bind EGF receptors 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.

序列相似性

Contains 1 EGF-like domain.

翻译后修饰

Several N-termini have been identified by direct sequencing. The forms with N-termini 63, 73 and 74 have been tested and found to be biologically active.

O-linked glycan attachment sites were determined by Edman degradation, O-glycanase digest suggests mucin-type glycosylation (done in HB-EGF purified from histiocytic lymphoma cell line U-937).

细胞定位

Cell membrane and Secreted > extracellular space. Mature HB-EGF is released into the extracellular space and probably binds to a receptor.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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