

# Datasheet for ABIN2666821

# HBEGF Protein (AA 63-148)

# 1 Image



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Quantity:	10 μg
Target:	HBEGF
Protein Characteristics:	AA 63-148
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Flow Cytometry (FACS)
Product Details	
Purity:	> 95 % , as determined by Coomassie stained SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 0.01 ng per µg cytokine as determined by the LAL method.
Target Details	
Target:	HBEGF
Alternative Name:	HB-EGF (HBEGF Products)
Background:	Human HB-EGF was initially identified as a protein of 22 kD secreted by macrophage-like U937
	cells. It belongs to the EGF family of proteins that includes EGF, TGF- $\alpha$ , heparin-binding EGF
	like-growth factor (HB-EGF), epigen, epiregulin, betacellulin, neuroregulin, and tomoregulin. All
	the EGF family members are synthesized as type I membrane protein precursors, which can

Molecular Weight:

The 86 amino acid recombinant protein has a predicted molecular mass of approximately 9.7 kDa. The DTT-reduced and non-reduced protein migrate at approximately 13 kDa and 16 kDa respectively by SDS-PAGE. The predicted N-terminal amino acid is Asp.

Pathways:

RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway

#### **Application Details**

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Biological activity: ED50 = $0.2 - 1.2$ ng/ml, corresponding to a specific activity of $0.83 - 5.0$ x $106$
	units/mg, as determined by induction of BALB/3T3 clone A31 cell proliferation.
Restrictions:	For Research Use only

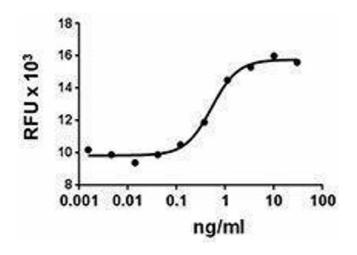
# Handling

Format:	Liquid
Reconstitution:	For maximum results, quick spin vial prior to opening. Stock solutions should be prepared at no less than 10 µg/mL in sterile buffer (PBS, HPBS, DPBS, and EBSS) containing carrier protein
	such as 1 % BSA or HSA. After dilution, the cytokine can be stored between 2 °C and 8 °C for one month or from -20 °C to -70 °C for up to 3 months.
Buffer:	0.22 μm filtered protein solution is in PBS, pH 7.2.

### Handling

Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	-20 °C
Storage Comment:	Unopened vial can be stored between 2°C and 8°C for three months, at -20°C for six months, or
	at -70°C for one year.

#### **Images**



# ELISA

Image 1.