

Recombinant mouse IGF2 protein (Active) ab233678

2 图像

描述	
产品名称	重组小鼠IGF2蛋白(Active)
生物活性	FDC-P1 cell proliferation. ED <sub>50</sub> ≤ 50 ng/mL (≥ 2.0 x 10 <sup>4</sup> units/mg)
纯度	> 95 % SDS-PAGE.
内毒素水平	≤1.000 Eu/μg
表达系统	Escherichia coli
Accession	<b><u>P09535</u></b>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Mouse
序列	AYGPGETLCGGELVDTLQFVCSDRGFYFSRPSSRANRRSRGI VEECCFRS CDLALLETYCATPAKSE
预测分子量	7 kDa
氨基酸	25 to 91
额外的序列信息	This product is the mature full length protein from aa 25 to 91. The signal peptide and propeptide are not included.
技术指标	
Our <b>Abpromise guarantee</b> covers the use of <b>ab233678</b> 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
制备和贮存	
稳定性和存储	Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle. Constituent: 0.1% Trifluoroacetic acid

Lyophilized from a sterile (0.2 micron) filtered aqueous solution.

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

## 复溶

Reconstitute in sterile water at 0.1 mg/ml. Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws.

## 常规信息

### 功能

The insulin-like growth factors possess growth-promoting activity. In vitro, they are potent mitogens for cultured cells. IGF-II is influenced by placental lactogen and may play a role in fetal development.

Preptin undergoes glucose-mediated co-secretion with insulin, and acts as physiological amplifier of glucose-mediated insulin secretion. Exhibits osteogenic properties by increasing osteoblast mitogenic activity through phosphoactivation of MAPK1 and MAPK3.

### 疾病相关

Epigenetic changes of DNA hypomethylation in IGF2 are a cause of Silver-Russell syndrome (SRS) [MIM:180860]. SRS is a clinically heterogeneous condition characterized by severe intrauterine growth retardation, poor postnatal growth, craniofacial features such as a triangular shaped face and a broad forehead, body asymmetry, and a variety of minor malformations.

### 序列相似性

Belongs to the insulin family.

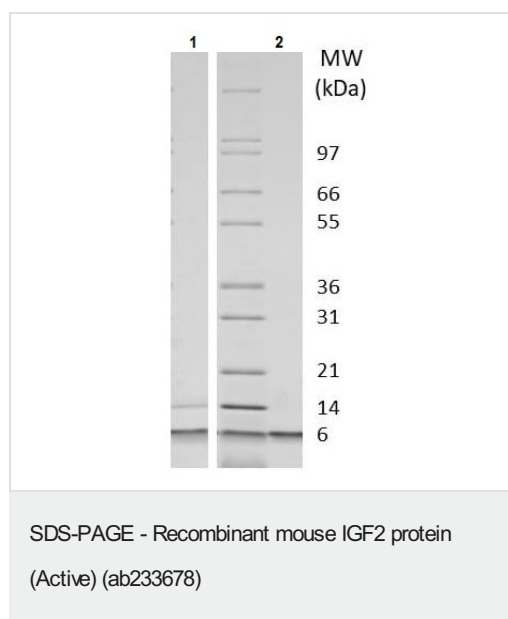
### 翻译后修饰

O-glycosylated with a core 1 or possibly core 8 glycan.

### 细胞定位

Secreted.

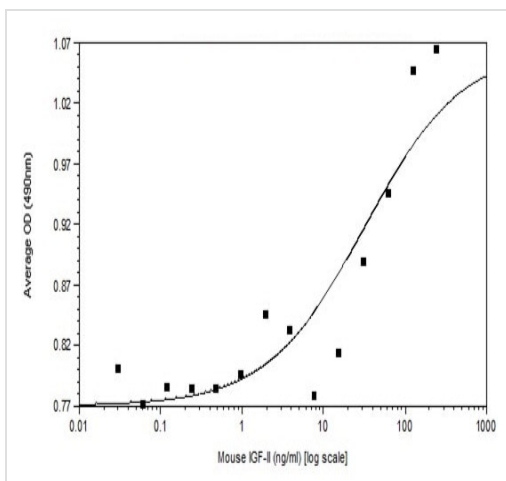
## 图片



1 µg ab233678 analyzed on a 4-20% Tris-Glycine gel, stained with Coomassie Blue.

Lane 1: Non-reducing conditions.

Lane 2: Reducing conditions.



ab233678 induced proliferation of FDC-P1 cells.

Functional Studies - Recombinant mouse IGF2  
protein (Active) (ab233678)

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

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