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## Product Data Sheet

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Product Name: GCGR Human  
 Cat. No.: GP21261  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E. coli
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	GL-R; GLR; Glucagon Receptor.		
Amino Acid Sequence	MQVMDFLFEK WKLYGDQCHH NLSLLPPPE LVCNRTFDKY SCWPDTPANT TANISCPWYL PWHHKVQHRF VFKRCGPDGQ WVRGPRGQPW RDASQCQMDG EEIEVQKEVA KMYSSFQLEH HHHHH.		
Solubility	It is recommended to add 200µl deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. GCGR is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.		
Formulation	GCGR filtered (0.4 µm) and lyophilized from solution in acetonitrile/0,1%TFA and 1% (w/v) trehalose.		

### Introduction

Glucagon receptor is part of the glucagon receptor family which also contains GLP-1, GLP-2, GHRH and GIP receptors. GCGR regulates blood glucose levels and is mainly expressed in the pancreas, liver and kidneys. Mutations in GCGR are a cause of non-insulin-dependent diabetes mellitus.

### Stability

Store lyophilized protein at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C .

### Background

GCGR Human Recombinant produced in E. coli is a single, non-glycosylated polypeptide chain (a.a 27-142) containing 125 amino acids including a 9 a.a C-terminal His tag. The

**Caution: Product has not been fully validated for medical applications. For research use only.**

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total molecular mass is 14.9kDa (calculated).

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