



# Recombinant Human GNAS (a.a.1-394) [His,SUMO] (DAGC273)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Species</b>	Human
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Conjugate</b>	His,SUMO
<b>Applications</b>	N/A
<b>Molecular Weight</b>	61.7kDa
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Format</b>	Liquid or Lyophilized powder (Note: We will preferentially ship the format that we have in stock, however, if you have any special requirement for the format, please remark your requirement when placing the order, we will prepare according to your demand.)
<b>Size</b>	20 µg, 100 µg, 1 mg
<b>Buffer</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-

thaw cycles.

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## BACKGROUND

### Introduction

GNAS complex locus is a gene locus in humans. Its main product is the heterotrimeric G-protein alpha subunit Gs- $\alpha$ , a key component of G protein-coupled receptor-regulated adenylyl cyclase signal transduction pathways. GNAS stands for Guanine Nucleotide binding protein, Alpha Stimulating activity polypeptide.

### Keywords

GNAS; GNAS complex locus; GNAS1, guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1; protein ALEX; GNASXL; GPSA; NESP; NESP55; SCG6; secretogranin VI

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