# Human Granulin/Progranulin (His Tag) recombinant protein

Catalog Number: 500545



# **General Information**

# Gene Name Synonym

Proepithelin; Acrogranin; Glycoprotein of 88 Kda; Progranulin; Paragranulin; Granulin-1; Granulin G; Granulin-2; Granulin F; Granulin-3; Granulin B; Granulin-4; Granulin A; Granulin-5; Granulin C; Granulin-6; Granulin D; Granulin-7; Granulin E

#### **Protein Construction**

A DNA sequence encoding the human GRN (NP\_002078.1) (Met 1-Leu 593) with a C-terminal polyhistidine tag was expressed.

# **Organism**

Human

# **Expression Host**

**Human Cells** 

# **QC Testing**

## **Purity**

> 95 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

# **Stability**

Samples are stable for up to twelve months from date of receipt at -70°C

## Predicted N terminal

Thr 18

## **Molecular Mass**

The secreted recombinant human GRN comprises 587 amino acids with a predicted molecular mass of 63.2 kDa. As a result of glycosylation, rhGRN migrates as an approximately 100-105 kDa band in SDS-PAGE under reducing conditions.

#### **Formulation**

Lyophilized from sterile PBS, pH 7.4

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

# **Usage Guide**

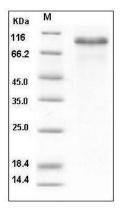
# **Storage**

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

#### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

# **SDS-PAGE**



Human Granulin / GRN / Progranulin Protein (His Tag) SDS-PAGE