Recombinant Mouse Progranulin/PGRN/GRN Protein

Catalog No.: RP02801

Sequence Information

Species
Mouse

Gene ID
14824

Swiss Prot
P28798

Tags
C-6His

Synonyms
Grn,Progranulin, PGRN, Acrogranin, Epithelin/granulin precursor, GP88, Glycoprotein 88, PC cell-derived growth factor, PCDGF, Proepithelin, PEPI

Product Information

Source
HEK293 cells

Purification
≥ 90% as determined by reducing SDS-PAGE.

Calculated MW
62.47 kDa

Observed MW
60-75 kDa

Endotoxin
< 0.01 EU/μg of the protein by LAL method.

Formulation
Lyophilized from 0.22μm filtered solution in PBS (pH 7.4).

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Granulin family members are important in normal development, wound healing, and tumorigenesis. Granulins have possible cytokine-like activity. They may play a role in inflammation, wound repair, and tissue remodeling. Granulin-4 promotes proliferation of the epithelial cell line A431 in culture while granulin-3 acts as an antagonist to granulin-4, inhibiting the growth. Granulin expression inhibited Tat transactivation, and tethering experiments showed that this effect was due, at least in part, to a direct action on cyclin T1 in the absence of Tat.

Basic Information

Description
Recombinant Mouse Progranulin/PGRN/GRN Protein is produced by HEK293 cells system. The target protein is expressed with sequence (Thr18-Leu589) of Mouse Progranulin/PGRN/GRN(Accession #NP_032201.3) fused with His at the C-Terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

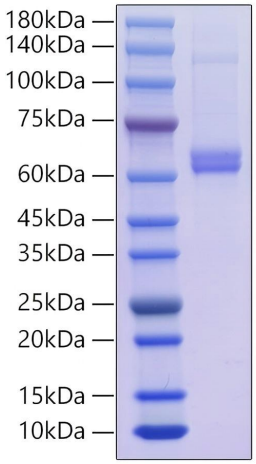
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Mouse Progranulin/PGRN/GRN Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.