Human MMP-9 / CLG4B Protein

Catalog Number: 10327-HNAH

General Information

Gene Name Synonym:
CLG4B; GELB; MANDP2; MMP-9

Protein Construction:
A DNA sequence encoding the human MMP9 zymogen (NP_004985.2) (Met 1-Asp 707) was expressed.

Source: Human
Expression Host: HEK293 Cells

QC Testing
Purity: > 94 % as determined by SDS-PAGE

Bio Activity:
Measured by its ability to cleave the fluorogenic peptide substrate, Mca-PLGL-Dpa-AR-NH2, (AnaSpec, Cat#27076). The specific activity is >600 pmoles/min/μg.

Endotoxin:
< 1.0 EU per μg 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: Ala 20

Molecular Mass:
The recombinant human MMP9 consisting of 688 amino acids has a predicted molecular mass of 76.3 kDa. The apparent molecular mass of rh MMP9 is approximately 80-95 kDa in SDS-PAGE due to glycosylation.

Formulation:
Lyophilized from sterile 50mM Tris, 0.15M NaCl, 0.01M CaCl2, 0.05% Brig-35, pH 7.5

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:
Detailed reconstitution instructions are sent along with the products.

References

Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

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