

G α ₁₃

Catalo Number: 10138

Synonyms: Guanine nucleotide-binding protein subunit alpha-13, Galpha 13, G13

Introduction: G α ₁₃ belongs to the G₁₂ family of heterotrimeric guanine nucleotide-binding proteins, and has intrinsic GTPase activity. G α ₁₃ has been revealed to play critical roles in transformation, normal hemostasis and thrombosis, grow factor-induced cell migration, angiogenesis, and salt-induced hypertension.

Amino Acid Sequence: 1-377)

MAFDPLSRVSLSLCVPCGLLTSEGAEEQQRKSEK
IDKCLSRERYKTVKILKVALLGLESGSKFTMQ
KLRIHFGQDQDRAREEFRPITSYNIVKMGRAD
VLRELKHIPWNDGSNQHQDMGKMSFRTDAPM
AAQGMEVRTFVPQLYAIRALWASDIGNQAYR
DRREFLEQGSFVYKLNDEGDLKPIYDPSIQQDL
LARRPKITGHEFDYEINKVPMKGGQRGVDVSE
RRKWFECFDSSTVIFLLSVSSEFMQLDVERDLT
NRLTESNLIFEITVNNRVFSNVSIILFNLLLEKDT
EVIKQSVIFKYDLEFEGPDHCRFLFVKDQLEVCF
RNRKRQPKQDLHYHFTTAINTENIRFVLRKDI
TVDHL NDMKLQLQ

Source: Human, recombinant full length, His₆-tag

Expression Host: sf9 cells

Molecular Weight: 44 kDa

Purity: > 95% by SDS-PAGE

Constituents: 20 mM Tris-HCl, pH 8.0, 150 mM NaCl.

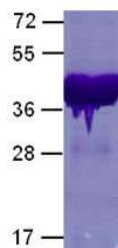
Physical Appearance: White or clear

Concentration: 1 mg/mL

Storage: -80°C

Preparation Instructions

Adding of 10 mM β -mercaptoethanol or 1 mM DTT into the solution to protect the protein is recommended and using of non-ionic detergents such as n-Dodecyl β -D-maltoside (DoDM) or polyethylene detergents (e.g. C12E10) also help to stabilize the protein. Avoid repeated freezing and thawing.



The purity of His-tagged G α ₁₃ was determined by SDS-PAGE and Coomassie Brilliant Blue Staining.

References

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