

Recombinant Mouse-ear cress GPA1 Protein (Met1-Leu383), N-His tagged

Cat. No. GP-5554A Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse-ear cress GPA1 (Met1-Leu383) fused with the N-terminal His tag was expressed in E. coli.
Species	Arabidopsis thaliana
Source	E.coli
ProteinLength	Met1-Leu383
Form	Lyophilized powder/frozen liquid
Molecular Mass	46.07 kDa
Purity	> 90 % as determined by SDS-PAGE
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.

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Shipping They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name GP ALPHA 1 G protein alpha subunit 1 [*Arabidopsis thaliana* (thale cress)]

Official Symbol GP

Synonyms GP ALPHA 1; G protein alpha subunit 1; ARABIDOPSIS THALIANA G PROTEIN ALPHA SUBUNIT 1; ATGPA1; G PROTEIN ALPHA SUBUNIT; G protein alpha subunit 1; G PROTEIN ALPHA SUBUNIT 1; GPA1; T1D16.6; T1D16_6; G protein alpha subunit 1; G protein alpha subunit 1 (GP ALPHA 1); FUNCTIONS IN: in 6 functions; INVOLVED IN: in 16 processes; LOCATED IN: plasma membrane, endoplasmic reticulum membrane, heterotrimeric G-protein complex; EXPRESSED IN: 25 plant structures; EXPRESSED DURING: 13 growth stages; CONTAINS InterPro DOMAIN/s: Plant G-protein, alpha subunit (InterPro:IPR002976), Guanine nucleotide binding protein (G-protein), alpha subunit (InterPro:IPR001019), G protein alpha subunit, helical insertion (InterPro:IPR011025); BEST *Arabidopsis thaliana* protein match is: extra-large GTP-binding protein 3 (TAIR:AT1G31930.3); Has 3745 Blast hits to 3647 proteins in 408 species: Archae - 0; Bacteria - 0; Metazoa - 2360; Fungi - 766; Plants - 268; Viruses - 0; Other Eukaryotes - 351 (source: NCBI BLink).

Gene ID 817170

mRNA Refseq NM_128187

Protein Refseq NP_180198

UniProt ID P18064

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