

Active Recombinant Human DAG1 Protein, His-tagged

Cat. No. DAG1-549H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DAG1 (Accession # NP_004384) Met1-Val749, fused with with a C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	Met1-Val749
Predicted N Terminal	Gln28 predicted (alpha subunit): No results obtained, sequencing might be blocked & Ser654 (beta subunit)
Form	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	Measured by the ability of the immobilized protein to enhance the adhesion of H4 human neuroglioma cells.The ED50 for this effect is typically 1.5 - 6.0 µg/mL. Optimal dilutions should be determined by each laboratory for each application.
Molecular Mass	Recombinant Human DAG1, His-tagged has a calculated MW of 67.8 kDa (alpha subunit) & 11.3 kDa (beta subunit). In SDS-PAGE migrates as 65-90 kDa & 20 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In

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lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

Reconstitution

Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name [DAG1 dystroglycan 1 \(dystrophin-associated glycoprotein 1\) \[Homo sapiens \]](#)

Official Symbol DAG1

Synonyms

DAG1; dystroglycan 1 (dystrophin-associated glycoprotein 1); dystroglycan; 156DAG; A3a; AGRNR; alpha dystroglycan; beta dystroglycan; DAG; dystrophin associated glycoprotein 1; MDDGC7; FLJ51254;

Gene ID [1605](#)

mRNA Refseq [NM_001165928](#)

Protein Refseq [NP_001159400](#)

MIM [128239](#)

UniProt ID Q14118

Chromosome Location 3p21

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