

Catalog No.: RP00775 **Recombinant**

Species	Gene ID	Swiss Prot
Human	2597	P04406

NO-Tag

Synonyms
GAPDH; GAPD; CDABP0047; OK/SW-cl.12

Source	Purification
<i>E. coli</i>	≥ 90% as determined by reducing SDS-PAGE.

Calculated MW	Observed MW
35.9 kDa	35-45 kDa

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

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

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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

 | 400-999-6126

 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

GAPDH is an enzyme of about 37kDa that is considered as a cellular enzyme involved in glycolysis. It catalyzes the sixth step of glycolysis. Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) is a pleiotropic enzyme that is overexpressed in apoptosis and in several human chronic pathologies. Its role as a mediator for cell death has also been highlighted. A recent report suggests that GAPDH may be genetically associated with late-onset of Alzheimer's disease. Besides, deprenyl, which has originally been used as a monoamine oxidase inhibitor for Parkinson's disease, binds to GAPDH and displays neuroprotective actions.

Recombinant Human GAPDH Protein is produced by *E. coli* system. The target protein is expressed with sequence (Gly2-Glu335) of Human GAPDH(Accession #P04406) fused with No Tag.

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.

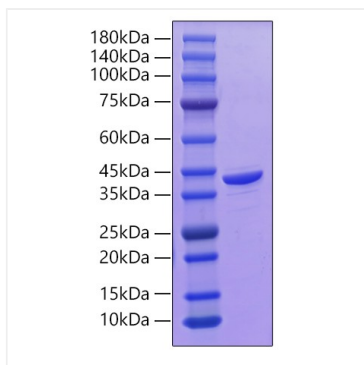
Storage
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

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

Validation Data



Recombinant Human GAPDH Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.