

Recombinant Human GAPDH Protein

Catalog No.: RP00775

Sequence Information

Species **Gene ID**
Human 2597

Swiss Prot **Tags**
P04406 NO-Tag

Synonyms

GAPDH, GAPD, CDABP0047, OK /SW-cl.12

Product Information

Source **Purification**
E. coli ≥ 90% as
determined by
reducing SDS-
PAGE.

Calculated MW **Observed MW**
35.9 kDa 35–45 kDa

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

Formulation

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

Reconstitution

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.

Background

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.

Basic Information

Description

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.

Activity

Shipping

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

Operational Notes

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

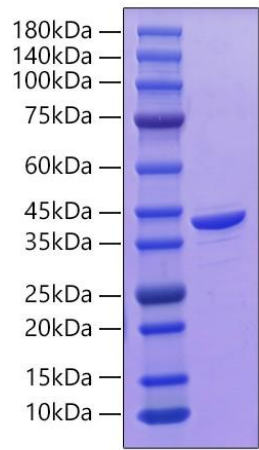
Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



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