Human GFAP, His Tag, E. coli

Catalog Number	LDG188PHE
Package	5 μg / 20 μg / 100 μg / Customized package

For full product information, images and publications, please visit our website.

Specifications

Species of Origin
Human

Expression system
Escherichia coli

Affinity Tag
His Tag (C-term)

Buffer
Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

Purity
>98% as determined by SDS-PAGE analysis.

Molecular weight
The protein has a calculated MW of 51 kDa.
The protein migrates as 50-55 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin level
<0.1 EU per 1 μg of the protein by the LAL method.

Form
Lyophilized

Background

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Background

GFAP (Glial Fibrillary Acidic Protein) is a protein primarily found in CNS astrocytes. Increased GFAP immunoreactivity indicates gliosis, a response to neural damage. GFAP defects cause Alexander disease, a rare CNS disorder with astrocytic Rosenthal fiber accumulation. The infantile form leads to myelination failure and early mortality, while the juvenile or adult forms present with ataxia, bulbar signs, spasticity, progressing more gradually.

Synonyms

Glial fibrillary acidic protein

Uniprot ID

P14136

Sequence Note

Met1-Met432

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in 4 mM HCl to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 2 weeks under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Image

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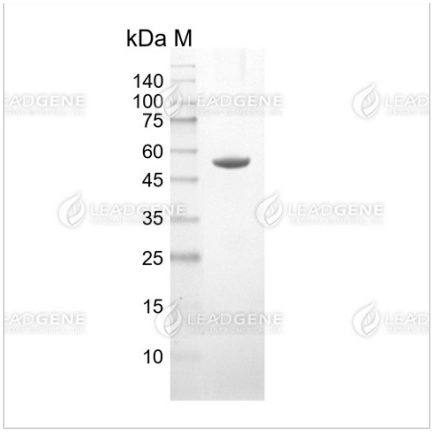

SDS-PAGE analysis of recombinant human GFAP.

Disclaimer : For Research Use or Further Manufacturing Only.

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