



DataSheet

CATALOGUE #: 8G45

PRODUCT NAME: Glial fibrillary acidic protein (GFAP), human, recombinant

Source: Expressed in *E. coli*

Description: Synthetic DNA fragment encoding amino acids 60-383 of human GFAP (Accession number UniProtKB P14136, GFAP_HUMAN) was used for recombinant protein expression.

Theoretical molecular weight 37 906 Da

Theoretical pI 4.95

Applications: Calibrator and standard preparation

Analysis: Purity >90% (SDS-PAGE in reducing conditions)

Concentration is determined spectrophotometrically at A280

Purification: Ion exchange chromatography

Presentation: Lyophilized from 16 mM NaHCO₃, containing 0.05% CHAPS and 0.05% Tween 20.

It is recommended to reconstitute this product with deionized water to its initial concentration.

Storage: Lyophilized and reconstituted at -70°C (-65 ... -80 °C allowed)

Other information: Avoid repeated freezing and thawing. It is recommended to aliquot the product after reconstitution.

The storage of lyophilized protein at -20°C may lead to a loss of 20% of immunochemical activity over two years.

For protein dilutions, we do not recommend PBS or other buffers with high ionic strength. This may lead to precipitation.

Material safety note: This product is sold **for research use only**. Standard Laboratory Practices should be followed when handling this material.

HyTest Ltd.

Intelligate 1, 6th floor, Joukahaisenkatu 6

FI-20520 Turku FINLAND

www.hytest.fi | hytest@hytest.fi