



# DataSheet

**CATALOGUE #:** 8G45

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

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**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 NaHCO<sub>3</sub>, 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 or further manufacturing use only**. Standard Laboratory Practices should be followed when handling this material.

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