

Product description



Product name Human GFAP



Catalog number GF128220

Uniprot ID P14136

Glial fibrillary acidic protein (GFAP), a class-III intermediate filament, is a cell-specific marker that, during the development of the central nervous system, distinguishes astrocytes from other glial cells.

Protein sequence

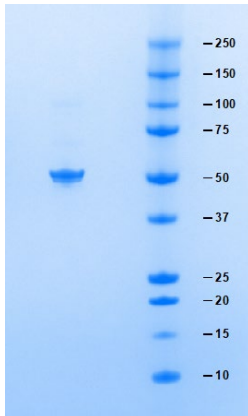
MGSSHHHHHSSGMERRRITSAARRSYVSSGEMMVGGGLAPGRRLGPGTRLSLARMPPPLPTRVDFSLAGALNAGFKETRASERAEMMELNDRFASYIEKVRFLQEQNKALAAELNQLRAKEPTKLADVYQAELELRLRLDQLTANSARLEVERDNLAQDLATVRQKLQDETNRLEAENNLAA YRQEADEATLARLDLERKIESLEEEIRFLRKIHVEEVRELOEQELARQVHVLDVAKPDLTAALKEIRTQYEAMASSNMHEAEWYRSKFADLTD AAARNAELLRQAKHEANDYRRQLQSLTCDLESLRGTNESLERQMREQEERHVREAASYQEALARLEEEGQSLKDEMARHLQEYQDLLNVKLA LDIEIATYRKLLGEEENRITIPVQTFNSNLQIRETSLDTKSVSEGHKRNIVVKTVEMRDGEVIKESKQEHKQDVM

Product features and protocols



Purity

>90%
as determined by SDS-PAGE



GFAP:
SDS-PAGE gel analysis of protein in Reducing/Heated conditions (RH) and stained with Coomassie blue.

Other features

Predicted MW	51.3 kDa
Expression System	<i>E. coli</i>
Purification Tag	PolyHis tag at the N-terminus end
Protein content	Quantitation is carried out by UV spectroscopy at 280 nm using specific extinction coefficient.
Formulation	Liquid 20 mM Tris-HCl pH 8.0, 2 mM DTT

Product preparation

For product preparation we recommend the following steps:

1. Thaw on ice
2. Vortex gently
3. Centrifuge briefly before opening

Product storage

The product is liquid and shipped with dry ice.
Store at -80 °C upon receipt.

Once thawed, the protein can be preserved at 4°C for a few weeks.

Avoid multiple freeze-thaw cycles



The product is intended for research use only. Not for diagnostic or therapeutic use.