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## Recombinant Human E-FABP Protein

**Catalog Number:** 230-30271

### Data Sheet / Certificate of Analysis (CoA)

Last Revised: 11/12/2024

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### Source

<b>Species</b>	Human
<b>Accession Number</b>	Q01469
<b>Gene Symbols</b>	FABP5
<b>Synonyms</b>	PA-FABP, E-FABP, PAFABP, EFABP, KFABP.
<b>Expressed Region</b>	Ala2-Glu135

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### Preparation

<b>Expression System</b>	HEK293 cells
<b>Tag</b>	C-terminal His-tag
<b>Purity</b>	>90%
<b>Molecular Weight</b>	Recombinant protein product has a calculated molecular mass of 15 kDa. Due to the abundant glycosylation, it migrates as approximately 20-30 kDa protein bands in SDS-PAGE under DTT, beta-mercaptoethanol reducing conditions.
<b>Endotoxin Level</b>	< 0.5 EU per ?g of the protein as determined by the LAL method

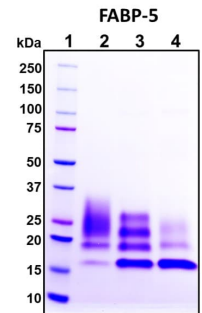
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### Specifications

<b>Format</b>	Liquid
<b>Formulation</b>	Filtered solution in PBS (pH 7.4), 50 mM NaCl, 200 mM Arginine, 10% glycerol, 1% mannitol, 5% trehalose.
<b>Concentration</b>	Refer to the label on the vial for the specific concentration, determined by the Pierce BCA Protein Assay Kit.

### SDS-PAGE Image

Figure 1. Deglycosylation analysis of purified recombinant proteins. Product was either untreated (Lane 2) or treated with deglycosylation enzymes under native (Lane 3) or denaturing (Lane 4) conditions. Deglycosylation treatment resulted in a mobility shift, indicating that the untreated protein (Lane 2) was glycosylated. Lane 1, protein ladder (kDa).



### Shipping

The product is shipped with ice packs. Upon arrival, immediately store it at the temperature recommended below.

### Storage/Stability

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- Upon arrival, the liquid protein may be stored for 2 weeks at 4°C.
- For long term storage, it is recommended to store at -20°C or -80°C in appropriate aliquots.
- Generally, the shelf life is up to 6 months from the date of receipt at -20°C or -80°C under sterile conditions.