

Product datasheet

Recombinant Human FABP4 protein ab133145

1 References

Description

Product name	Recombinant Human FABP4 protein
Purity	> 95 % SDS-PAGE.
Expression system	Escherichia coli
Accession	P15090
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p> MCDAFVGTWK LVSSNFDDYMKEVGVGFAT RKVAGMAKPN MIISVNGDVI TIKSESTFKN TEISFILGQE FDEVTADDRK VKSTITLDGG VLVHVQKWDG KSTTIKRKRE DDKLVVECVM KGVTSRVYE RA </p>
Predicted molecular weight	15 kDa
Amino acids	1 to 132
Tags	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab133145** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot Immunoprecipitation ELISA
Form	Lyophilized
Additional notes	Product is not sterile, filter before use in cell culture.

Preparation and Storage

Stability and Storage Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

Constituent: 99% PBS

Reconstitution

Add deionized water to prepare a working stock solution of approximately 1 mg/mL and let the lyophilized pellet dissolve completely.

General Info

Function

Lipid transport protein in adipocytes. Binds both long chain fatty acids and retinoic acid. Delivers long-chain fatty acids and retinoic acid to their cognate receptors in the nucleus.

Sequence similarities

Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.

Domain

Forms a beta-barrel structure that accommodates hydrophobic ligands in its interior.

Cellular localization

Cytoplasm. Nucleus. Depending on the nature of the ligand, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus. Subject to constitutive nuclear export.

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