Recombinant human FABP7/B-FABP protein

Catalog Number: FAB0801

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-132aa

UniProt No.
O15540

NCBI Accession No.
NP_001437

Alternative Names
Fatty acid binding protein 7, Fatty acid binding protein 7, FABP7, Fatty acid binding protein 7 B FABP, BFABP, BLBP, Brain lipid binding protein, DKFZp547J2313, FABP 7, FABPB, Fatty acid binding protein 7 brain, Fatty acid binding protein brain, OTTHuMP00000017119, Mammary derived growth inhibitor related, MRG.

PRODUCT SPECIFICATION

Molecular Weight
14 kDa (132aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 25mM Tris-HCl buffer (pH 7.5) containing 1mM DTT, 2mM EDTA, 10% glycerol

Purity
> 95% by SDS-PAGE

Tag
Non-Tagged

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
FABP7 (Fatty acid binding protein 7) is also known as brain fatty acid binding protein and is a member of Fatty acid binding proteins (FABPs) which are a family of small, highly conserved, cytoplasmic proteins to bind long-chain fatty acids and other hydrophobic ligands. FABP7 is expressed in radial glia by the activation of Notch receptors and binds DHA with the highest affinity among all of FABPs. Recombinant FABP7 protein was

expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

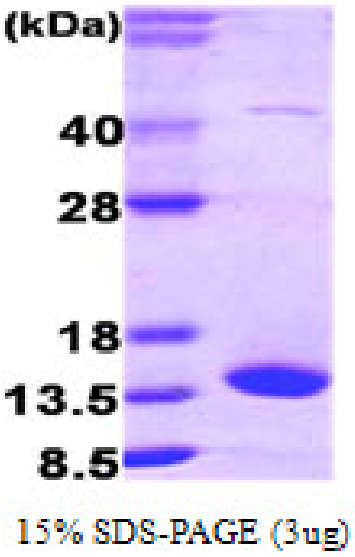
MVEAFCATWK LTNSQNFDEY MKALGVGFAT RQVGNVTKPT VIISQEGDKV VIRTLSTFKN TEISFQLGEE FDETTADDRN CKSVVSLDGD KLVHIQKWDG KETNFVREIK DGKMVMTLTF GDVVAVRHYE KA

General References

Borchers T., et al. (1997).Prostaglandins Leukot. Essent. Fatty Acids. 57(1):77-84
Liu Rz., et al. (2003).Eur J Biochem. 270(4):715-25

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.