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## Product Data Sheet

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Product Name: FABP12 Human  
 Cat. No.: GP23446  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Fatty acid-binding protein 12; FABP12.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGS HMIDQLQ GTWKSISCEN SEDYMKELGI GRASRKLGR L AKPTVTISTD GDVITIKTKS IFKNNEISFK LGEEFEEITP GGHKT KSKVT LDKESLIQVQ DWDGKETTIT RKLVDGKMVV ESTVNSVICT RTYEKVSSNS VSNS.		
Formulation	FABP12 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 7.5), 0.15M NaCl and 10% glycerol.		

### Introduction

FABP12 is a member of the calycin superfamily and fatty-acid binding protein (FABP) family. The FABPs are a family of carrier proteins for fatty acids and other lipophilic substances for example eicosanoids and retinoids. These proteins are believed to enable the transfer of fatty acids between extra- and intracellular membranes. FABP12 has a role in lipid transport. FABP12 is expressed in several retinoblastoma cell lines. FABP12 has not been detected in fetal tissues.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

FABP12 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 164 amino acids (1-140 a.a) and having a molecular mass of 18kDa. FABP12 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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