BFIT, 19-250aa, Human, His tag, E.coli

Cat.NO.: TP01330

3th Edition

Synonyms: Thioesterase, adipose associated isoform BFIT2,

Description:BFIT is a member of the acyl-CoA thioesterase family which catalyse the conversion of activated fatty acids to the corresponding non-esterified fatty acid and coenzyme A. Expression of a mouse homolog in brown adipose tissue is induced by low temperatures and repressed by warm temperatures. Higher levels of expression of the mouse homolog has been found in obesity-resistant mice compared with obesity-prone mice, suggesting a role of acyl-CoA thioesterase 11 in obesity. The protein has acyl-CoA thioesterase activity towards medium (C12) and long-chain (C18) fatty acyl-CoA substrates. Recombinant human BFIT protein, fused to His-tag at N-terminus, was expressed in E.coli

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Molecular Weight:29.9kDa (268aa)

Sequences:
MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSNRTSRKSALRAGNDSAMADGEGYRNPTEVQMSQLV
LPCHTNQRGELSVGQLLKWIDTTACLSAERHAGCPCVTASMDDIYFEHTISVGQVVNIKAKVNRAFNSSMEVGIQVA
SEDLCSEKQWNVCKALATFVARREITKVKLKQITPRTEEEKMEHSVAAERRRMRLVYADTIKDLLANCAIQGDLESR
DCSRMVPAEKTRVESVELVLPPHANHQGNTFGGQIMAWMENVA

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.