



## 4E-BP1 (1 - 118)

Long Name:

**Eukaryotic Translation Initiation Factor 4E binding protein 1 [1 – 118]**

Catalog Number (DU Number):

**DU10998**

Accession:

**NM\_004095.3**

Expression

**bacteria**

Terminus and Tag:

**N-Term GST Uncleaved**

Purification Method:

**GSH Sepharose**

Enzymatic Assay Format:

**Substrate for mTOR**

Calculated Molecular Mass:

**Mono-Isotopic Mass: 39,936.02**

**Average Mass: 39,961.81**

Protein Activity:

**Constitutively Active**

Purity:

**>80%**

Storage Buffer:

**50 mM Tris-HCl pH 7.5, 270 mM Sucrose, 150 mM NaCl, 0.1 mM EGTA, 0.1 % 2-mercaptoethanol, 0.02 % Brij-35, 1 mM benzamidine, 0.2 mM PMSF**

Storage Temperature:

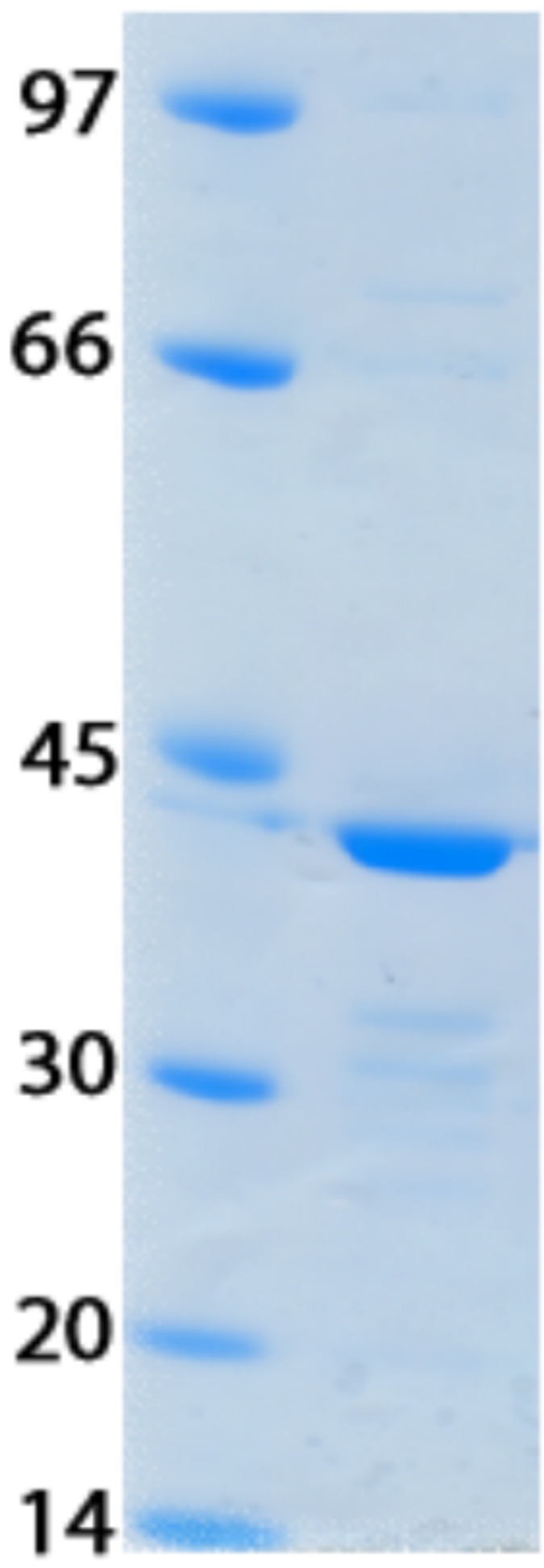
**-70 °C**

Theoretical PI:

**5.51**

Gel Information :

**Gel Image 1:**



Native Sequence:

**Amino acids M1 – I118 (end) of human 4E-BP1. Residue M237 of the fusion protein is equivalent to M1 of the native enzyme. The GST tag is located at residues 1 – 220.**

Protease Cleavage:

**PreScission (LEVLFQGP) residues 221 - 229**

Cloning Sites:

**BamH1 and Not1 sites of pGEX 6P-1**

Price per aliquot (100µg):

**£110.00**