

SH3BGRL, 1-114aa, Human, His tag, E.coli

Cat.NO.: TP03923

3th Edition

Synonyms:SH3 domain-binding glutamic acid-rich-like protein, SH3BGR.

Description:SH3BGRL, also known as SH3 domain-binding glutamic acid-rich-like protein, is a member of the human SH3BGR family. SH3BGRL gene located to chromosome Xq13.3 encodes for a small protein of 114 amino acids, which is apparently widely expressed in many tissues including liver and blood. SH3BGRL protein features a prolinerich sequence (PLPPQIF), which contains both the SH3 binding (PXXP)³ and the Homer EVH1 binding (PPXXF)⁴ motif. This proline-rich region is highly conserved in human SH3BGR family and was expected to be functionally important. Recombinant human SH3BGRL protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.15M NaCl

Molecular Weight:15.3 kDa (138aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHM¹VIRVYIASSSGSTA²IKKKQQDVLGFLEANKIGFEEKDIAANEENRKWMRE
NVPENSRPATGYPLPPQIFNESQYRGDYDAFFEARENNAVYAFLGLTAPPGSKEAEVQAKQQA

Purity:> 95% by HPLC

Concentration:1 mg/ml

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.