

Datasheet for ABIN1046364

RPS14 Protein (AA 2-146, partial) (GST tag)



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Overview

Quantity:	100 µg
Target:	RPS14
Protein Characteristics:	AA 2-146, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This RPS14 protein is labelled with GST tag.
Application:	ELISA

Product Details

Sequence:	APRKGKEKKE EQVISLGPQV AEGENVFGVC HIFASFNDTF VHVTDLGKE TICRVTGGMK VKADRDESSP YAAMLAAQDV AQRCKELGIT ALHIKLRATG GNRTKTPGPG AQSALRALAR SGMKIGRIED VTPIPSDSTR RKGGR
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

Target Details

Target:	RPS14
Alternative Name:	40S ribosomal protein S14 protein (RPS14 Products)
Background:	Belongs to the ribosomal protein S11P family.

Target Details

Molecular Weight: 42.9 kD

UniProt: [P62263](#)

Pathways: [Ribonucleoprotein Complex Subunit Organization](#), [Ribosome Assembly](#)

Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

Storage Comment: Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

Publications

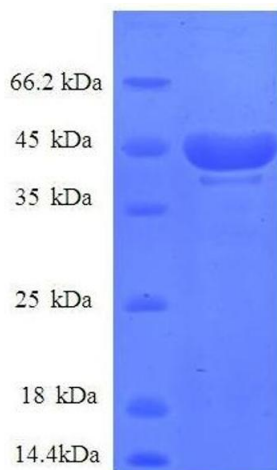
Product cited in: Ota, Suzuki, Nishikawa, Otsuki, Sugiyama, Irie, Wakamatsu, Hayashi, Sato, Nagai, Kimura, Makita, Sekine, Obayashi, Nishi, Shibahara, Tanaka, Ishii, Yamamoto, Saito, Kawai, Isono, Nakamura, Nagahari et al.: "Complete sequencing and characterization of 21,243 full-length human cDNAs. ..." in: **Nature genetics**, Vol. 36, Issue 1, pp. 40-5, (2003) ([PubMed](#)).

Iwasaki, Suda, Watanabe, Nakao, Hattori, Nagoya, Saino, Shidara, Maki: "Structure and expression of cDNA for calphobindin II, a human placental coagulation inhibitor." in: **Journal of biochemistry**, Vol. 106, Issue 1, pp. 43-9, (1989) ([PubMed](#)).

Crompton, Owens, Totty, Moss, Waterfield, Crumpton: "Primary structure of the human, membrane-associated Ca²⁺-binding protein p68 a novel member of a protein family." in: **The EMBO journal**, Vol. 7, Issue 1, pp. 21-7, (1988) ([PubMed](#)).

Südhof, Slaughter, Leznicki, Barjon, Reynolds: "Human 67-kDa calelectrin contains a duplication of four repeats found in 35-kDa lipocortins." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 85, Issue 3, pp. 664-8, (1988) ([PubMed](#)).

Images



SDS-PAGE

Image 1. Ribosomal Protein S14 (RPS14) (AA 2-146), (partial) protein (GST tag)