

Datasheet for ABIN1095761

TACR1 Protein (AA 1-29) (GST tag)[Go to Product page](#)**1** Image**2** Publications

Overview

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|-------------------------------|--|
| Quantity: | 100 µg |
| Target: | TACR1 |
| Protein Characteristics: | AA 1-29 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This TACR1 protein is labelled with GST tag. |
| Application: | ELISA |

Product Details

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| Sequence: | MDNVLPVDS LSPNISTNTS EPNQFVQPA |
| 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

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| Target: | TACR1 |
| Alternative Name: | Substance-P receptor protein (TACR1 Products) |
| Background: | This is a receptor for the tachykinin neuropeptide substance P. It is probably associated with G proteins that activate a phosphatidylinositol-calcium second messenger system. The rank order of affinity of this receptor to tachykinins is: substance P > substance K > neuromedin-K. |

Target Details

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|-------------------|---|
| Molecular Weight: | 30.5 kD |
| UniProt: | P25103 |
| Pathways: | Regulation of Systemic Arterial Blood Pressure by Hormones , Feeding Behaviour , Smooth Muscle Cell Migration |

Application Details

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| 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. |
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| Restrictions: | For Research Use only |
|---------------|-----------------------|

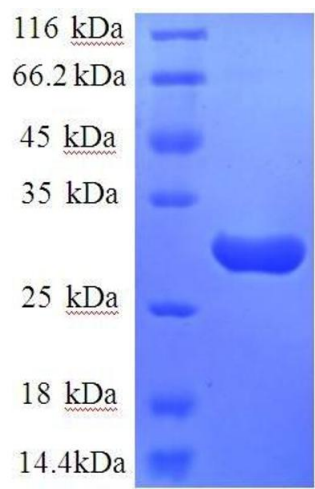
Handling

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| 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: | Fainstein, Einat, Gokkel, Marcelle, Croce, Gale, Canaani: "Nucleotide sequence analysis of human abl and bcr-abl cDNAs." in: Oncogene , Vol. 4, Issue 12, pp. 1477-81, (1990) (PubMed). |
| | Shtivelman, Lifshitz, Gale, Roe, Canaani: "Alternative splicing of RNAs transcribed from the |

human abl gene and from the bcr-abl fused gene." in: **Cell**, Vol. 47, Issue 2, pp. 277-84, (1986) ([PubMed](#)).



SDS-PAGE

Image 1. Tachykinin Receptor 1 (TACR1) (AA 1-29) protein (GST tag)