

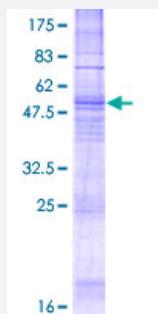
Full-Length

TACR1 (Human) Recombinant Protein (P01)

Catalog # H00006869-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TACR1 full-length ORF (NP_056542.1, 1 a.a. - 311 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDNVLPVDS DLSPNISTNTSEPNQFVQPAWQVLWAAAYTVVVTSVVGNVVMMWILAHKRMRTV
TNYFLVNLAFAEASMAAFNTVVNFTYAVHNEWYYGLFYCKFHNFFPIAAVFASIYSMTAVAFDRYM
AIIHPLQPRLSATATKVVICVMVLALLAFPPQGYSTTETMPSRVVCMI EWPEHPNKIYEKVYHICVT
VLIYFLPLL VIGYAYTVVGITLWASEIPGDSSDRYHEQVSAKRKVVKMMVVCTFAICWLPFHIFFLL
PYINPDLYLKKFIQQVYLAIMWLAMSSTMYNPIIYCCLNDR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

62.1

Interspecies Antigen Sequence

Mouse (96); Rat (95)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TACR1

Entrez GeneID[6869](#)**GeneBank Accession#**[NM_015727.1](#)**Protein Accession#**[NP_056542.1](#)**Gene Name**

TACR1

Gene Alias

NK1R, NKIR, SPR, TAC1R

Gene Description

tachykinin receptor 1

Omim ID[162323](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene belongs to a gene family of tachykinin receptors. These tachykinin receptors are characterized by interactions with G proteins and contain seven hydrophobic transmembrane regions. This gene encodes the receptor for the tachykinin substance P, also referred to as neurokinin 1. The encoded protein is also involved in the mediation of phosphatidylinositol metabolism of substance P. [provided by RefSeq]

Other Designations

NK-1 receptor|neurokinin 1 receptor|tachykinin 1 receptor (substance P receptor, neurokinin 1 receptor)|tachykinin receptor 1 (substance P receptor; neurokinin-1 receptor)

Pathway

- [Calcium signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcoholism](#)
- [Anorexia Nervosa](#)
- [Asthma](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Chronic Disease](#)
- [Constipation](#)
- [Cough](#)
- [Endometriosis](#)
- [Fibromyalgia](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Nausea](#)
- [Pain](#)
- [Panic Disorder](#)
- [Pregnancy Complications](#)
- [Radius Fractures](#)
- [Recurrence](#)
- [Reflex Sympathetic Dystrophy](#)
- [Schizophrenia](#)

- [Tobacco Use Disorder](#)