

## Recombinant Human TACR1 Protein, His-tagged

Cat. No. TACR1-2748H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TACR1 Protein (Cys307-Ser407) with a N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Cys307-Ser407
<b>Description</b>	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.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 11.2 kDa Accurate Molecular Mass: 17 kDa
<b>Endotoxin</b>	<1.0 EU per 1g (determined by the LAL method).
<b>Purity</b>	> 97%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	TACR1 tachykinin receptor 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	TACR1
<b>Synonyms</b>	TACR1; tachykinin receptor 1; TAC1R; substance-P receptor; NK1R; NKIR; SPR; NK-1R; NK-1 receptor; tachykinin receptor 1 (substance P receptor; neurokinin-1 receptor);
<b>Gene ID</b>	6869
<b>mRNA Refseq</b>	NM_001058
<b>Protein Refseq</b>	NP_001049
<b>MIM</b>	162323
<b>UniProt ID</b>	P25103

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