Recombinant Human TACR1 Protein, His-tagged

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

SPECIFICATION

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

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Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	TACR1 tachykinin receptor 1 [Homo sapiens (human)]
Official Symbol	TACR1
Synonyms	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);
Gene ID	6869
mRNA Refseq	NM_001058
Protein Refseq	NP_001049
MIM	162323
UniProt ID	P25103

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