# Recombinant Human TACR1-3C Protein (M1-S226, H237-E335, E78N, Y121W, T222R), N-Flag and C-10×His-tagged

**Cat. No.** TACR1-16H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant human Flag-TACR1(M1-S226)-mT4L-TACR1(H237-E335) (E78N, Y121W, T222R)-3C-10His was expressed in insect cells. |
| **Species** | Human |
| **Source** | Insect Cells |
| **ProteinLength** | M1-S226, H237-E335, E78N, Y121W, T222R |
| **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** | Liquid |
| **Endotoxin** | < 0.01 EU/μg of the protein |
| **Purity** | 60% |
| **Stability** | Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade |

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| **Storage** | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| **Storage Buffer** | 20 mM HEPES (pH 7.5), 150 mM NaCl, 1 μM aprepitant, 0.01% LMNG, 0.001% CHS |
| **Shipping** | It is shipped out with blue ice. |

## GENE INFORMATION

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| **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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