

Recombinant Human TACR1 protein, GST-tagged

Cat. No. TACR1-128H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This is a receptor for the tachykinin neuropeptide substance P. It is probably associated with G proteins that activate a phosphatidylinositol-calcium second messenger syst. The rank order of affinity of this receptor to tachykinins is: substance P > substance K > neuromedin-K.
Species	Human
Source	E.coli
ProteinLength	1-29 aa
Molecular Mass	30.1 kDa
AA Sequence	MDNVLPVDSDLSPNISTNTSEPNQFVQPA
Purity	> 90 %, by SDS-PAGE with Coomassie Brilliant Blue staining.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

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Storage Buffer Tris-based buffer, 50 % glycerol

GENE INFORMATION

Gene Name TACR1 tachykinin receptor 1 [Homo sapiens]

Official Symbol TACR1

Synonyms NK-1 receptor; NK-1RTachykinin receptor 1; TAC1R; NK1R; NKIR; SPR; NK-1R

Gene ID 6869

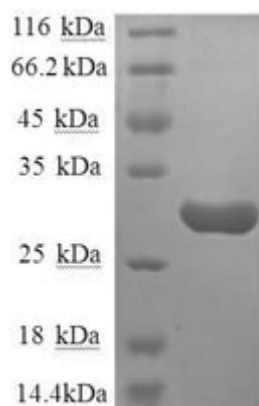
mRNA Refseq NM_001058

Protein Refseq NP_001049

MIM 162323

UniProt ID P25103

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5 % enrichment gel and 15 % separation gel.

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