

Recombinant Human NTSR2 Protein, His-tagged

Cat. No. NTSR2-2516H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NTSR2 Protein (Ala37-Pro241) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala37-Pro241
Description	The protein encoded by this gene belongs to the G protein-coupled receptor family that activate a phosphatidylinositol-calcium second messenger system. Binding and pharmacological studies demonstrate that this receptor binds neurotensin as well as several other ligands already described for neurotensin NT1 receptor. However, unlike NT1 receptor, this gene recognizes, with high affinity, levocabastine, a histamine H1 receptor antagonist previously shown to compete with neurotensin for low-affinity binding sites in brain. These activities suggest that this receptor may be of physiological importance and that a natural agonist for the receptor may exist.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 23.6 kDa Accurate Molecular Mass: 16 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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	NTSR2 neurotensin receptor 2 [Homo sapiens (human)]
Official Symbol	NTSR2
Synonyms	NTSR2; neurotensin receptor 2; neurotensin receptor type 2; NTR2; NT-R-2; neurotensin receptor, type 2; levocabastine-sensitive neurotensin receptor;
Gene ID	23620
mRNA Refseq	NM_012344
Protein Refseq	NP_036476

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MIM	605538
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UniProt ID	O95665
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