

Recombinant Rat Taar1 protein, His/SUMO-tagged

Cat. No. Taar1-45R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Taar1(1-332 aa) fused with His/SUMO tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	1-332 a.a.
Description	G-protein coupled receptor that induces cAMP production in response to para-tyramine and other trace amines; also acts as a receptor for catecholamine metabolites and amphetamines.
Form	Tris-based buffer, 50% glycerol
AA Sequence	MHLCHNSANISHTNSNWSRDVRASLYSLISLIILTTLVGNLIVIISISHFKQLHTPTNWL LHSMVVDVDFLLGCLVMPYSMVRTVEHCWYFGELFCKLHTSTDIMLSSASILHLAFISI DR YYAVCDPLRYKAKINLAAIFVMILISWSLPVFAFGMIFLELNLEGVEELYHNQVFC LRG CFPFFSKVSGVLAFTSFYIPGSVMLFVYYRIYFIAKGQARSINRANLQVGLEGE SRAPQ SKETKAAKTLGIMVGVFLLCWCPFFFCMVLDPFLGYVIPPTLNDTLNWFQYL NSAFNPMV YAFFYPWFRRALKMVLFQKIFQKDSSRSKLFL
Storage	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. Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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GENE INFORMATION

Gene Name	Taar1 trace-amine-associated receptor 1 [Rattus norvegicus]
Official Symbol	Taar1
Synonyms	TAAR1; trace-amine-associated receptor 1; trace amine-associated receptor 1; Tar1; Trar1; taR-1;
Gene ID	113914
mRNA Refseq	NM_134328
Protein Refseq	NP_599155
UniProt ID	Q923Y9
Chromosome Location	1p12
Pathway	Amine ligand-binding receptors, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem; Signal Transduction, organism-specific biosystem; Signaling by GPCR, organism-specific biosystem;
Function	G-protein coupled amine receptor activity; receptor activity; signal transducer activity; trace-amine receptor activity; trace-amine receptor activity;

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