

Recombinant Human NMUR2 293 Cell Lysate

Cat. No. NMUR2-3780HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for neuromedin U receptor 2 (NMUR2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.

Components

This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).

Size 0.1 mg

Storage Instruction

Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

NMUR2 neuromedin U receptor 2 [Homo sapiens]

Official Symbol

NMUR2

Synonyms

NMUR2; neuromedin U receptor 2; NMU2R; neuromedin-U receptor 2; G-protein coupled receptor FM-4; G-protein coupled receptor TGR-1; growth hormone secretagogue receptor family, member 4; FM4; FM-4; TGR1; TGR-1; NMU-R2;

Gene ID

56923

mRNA Refseq

NM_020167

Protein Refseq

NP_064552

MIM

605108

UniProt ID

Q9GZQ4

**Chromosome
Location**

5q33.1

Pathway

Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class A

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Rhodopsin-like, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem;

Function

G-protein coupled receptor activity; GTP binding; intracellular calcium activated chloride channel activity; neuromedin U binding; neuromedin U receptor activity; receptor activity; signal transducer activity;

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