Galanin Receptor 1 (GALR1) ELISA Kit for Sheep

PRODUCT OVERVIEW

Product Name	Galanin Receptor 1 (GALR1), ELISA Kit
Full Product Name	Sheep Galanin Receptor 1 ELISA Kit
Product Gene Name	GALR1 elisa kit
Species Reactivity	Sheep
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	38,953 Da
Chromosome Location	Chromosome: 18; NC_000018.9 (74962008..74982098). Location: 18q23
OMIM	600377
3D Structure	ModBase 3D Structure for P47211
Related Product Information for GALR1 elisa kit	MBS008385 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Galanin Receptor 1 (GALR1) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing GALR1. The ELISA analytical biochemical technique of the MBS008385 kit is based on GALR1 antibody-GALR1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect GALR1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, GALR1. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of GALR1 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GALR1. It may not necessarily be applicable to this product.

NCBI GI #	167000885
NCBI GeneID	2587
NCBI Accession #	NP_001471.2
UniProt Primary Accession #	P47211
UniProt Secondary Accession #	Q4VBL7
UniProt Related Accession #	P47211
GenBank Nucleotide #	NM_001480.3
NCBI Official Full Name	galanin receptor type 1
NCBI Official Synonym Full Names	galanin receptor 1
NCBI Official Symbol	GALR1
NCBI Official Synonym Symbols	GALNR; GALNR1
UniProt Protein Name	Galanin receptor type 1

Protein Family	Galanin receptor
UniProt Gene Name	GALR1
UniProt Synonym Gene Names	GALNR; GALNR1; GAL1-R; GALR-1
UniProt Entry Name	GALR1_HUMAN
NCBI Protein Information	galanin receptor type 1; GAL1-R; GALR-1
NCBI Summary for GALR1	The neuropeptide galanin elicits a range of biological effects by interaction with specific G-protein-coupled receptors. Galanin receptors are seven-transmembrane proteins shown to activate a variety of intracellular second-messenger pathways. GALR1 inhibits adenylyl cyclase via a G protein of the Gi/Go family. GALR1 is widely expressed in the brain and spinal cord, as well as in peripheral sites such as the small intestine and heart. [provided by RefSeq, Jul 2008]
UniProt Comments for GALR1	GALR1: Receptor for the hormone galanin. The activity of this receptor is mediated by G proteins that inhibit adenylate cyclase activity. Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, multi-pass; GPCR, family 1; Receptor, GPCR; Membrane protein, integral Chromosomal Location of Human Ortholog: 18q23 Cellular Component: plasma membrane; integral to membrane Molecular Function: neuropeptide binding; protein binding; peptide hormone binding; galanin receptor activity Biological Process: elevation of cytosolic calcium ion concentration; positive regulation of cortisol secretion; neuropeptide signaling pathway; negative regulation of adenylate cyclase activity; digestion; positive regulation of transcription from RNA polymerase II promoter; G-protein signaling, adenylate cyclase activating pathway
Research Articles on GALR1	**1.** Moreover, we have identified a novel role for the GalR1/galanin receptor-ligand axis in chemoresistance, providing evidence to support its further evaluation as a potential therapeutic target and biomarker in colorectal cancer .
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/galr1-sheep-elisa-kits/galanin-receptor-1/8385