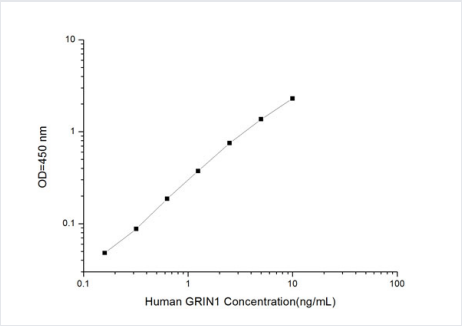
GRIN1 ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	GRIN1, ELISA Kit
Full Product Name	Human GRIN1 (Glutamate Receptor, Ionotropic, N-Methyl-D-Aspartate 1) ELISA Kit
Product Gene Name	GRIN1 elisa kit
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, Plasma, Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	Min: 0.094ng/mL; Max: 10ng/mL
Specificity	This kit recognizes natural and recombinant Human GRIN1. No significant cross-reactivity or interference between Human GRIN1 and analogues was observed.
Preparation and Storage	Store at 4 degree C.
Intended Uses	This ELISA kit applies to the in vitro quantitative determination of Human GRIN1 concentrations in serum, plasma and other biological fluids.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for GRIN1 elisa kit	**Principle of the assay:** This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to GRIN1. Standards or samples are added to the appropriate micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for GRIN1 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain GRIN1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of GRIN1. You can calculate the concentration of GRIN1 in the samples by comparing the OD of the samples to the standard curve.
Other Notes	Small volumes of GRIN1 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.
Searchable Terms for GRIN1 purchase	MBS2515703 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the GRIN1, 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 GRIN1. The ELISA analytical biochemical technique of the MBS2515703 kit is based on GRIN1 antibody-GRIN1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect GRIN1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, GRIN1. 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(%).



Typical Testing Data/Standard Curve (for reference only) of GRIN1 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GRIN1. It may not necessarily be applicable to this product.

Protein Family	Glutamate receptor ionotropic
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.
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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.

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Online datasheet: https://www.mybiosource.com/human-elisa-kits/grin1/2515703