Sorting Nexin 1 (SNX1) ELISA Kit for Fish

PRODUCT OVERVIEW

Product Name	Sorting Nexin 1 (SNX1), ELISA Kit
Full Product Name	Fish Sorting Nexin 1 (SNX1) ELISA Kit
Product Gene Name	SNX1 elisa kit
Species Reactivity	Fish
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	63,082 Da
OMIM	601272
Related Product Information for SNX1 elisa kit	MBS9352011 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Sorting Nexin 1 (SNX1) 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 SNX1. The ELISA analytical biochemical technique of the MBS9352011 kit is based on SNX1 antibody-SNX1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect SNX1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, SNX1. 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 SNX1 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 SNX1. It may not necessarily be applicable to this product.

NCBI GI #	3152940
NCBI GeneID	6642
NCBI Accession #	AAC17182.1
UniProt Secondary Accession #	O60750; O60751; Q6ZRJ8; A6NM19; A8K6T7; H0Y2M5
UniProt Related Accession #	Q13596
NCBI Official Full Name	sorting nexin 1
NCBI Official Synonym Full Names	sorting nexin 1
NCBI Official Symbol	SNX1
NCBI Official Synonym Symbols	VPS5; HsT17379
UniProt Protein Name	Sorting nexin-1
Protein Family	Sorting nexin
UniProt Gene Name	SNX1
UniProt Entry Name	SNX1_HUMAN
NCBI Protein Information	sorting nexin-1

NCBI Summary for SNX1	This gene encodes a member of the sorting nexin family. Members of this family contain a phox (PX) domain, which is a phosphoinositide binding domain, and are involved in intracellular trafficking. This endosomal protein regulates the cell-surface expression of epidermal growth factor receptor. This protein also has a role in sorting protease-activated receptor-1 from early endosomes to lysosomes. This protein may form oligomeric complexes with family members. This gene results in three transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]
UniProt Comments for SNX1	SNX1: May be involved in several stages of intracellular trafficking. Plays a role in targeting ligand-activated EGFR to the lysosomes for degradation after endocytosis from the cell surface and release from the Golgi. Component of the retromer complex, a complex required to retrieve lysosomal enzyme receptors (IGF2R and M6PR) from endosomes to the trans-Golgi network. Interacts with membranes containing phosphatidylinositol 3- phosphate (PtdIns(3P)) or phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2). Belongs to the sorting nexin family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Vesicle Chromosomal Location of Human Ortholog: 15q22.31 Cellular Component: cytoplasm; cytosol; early endosome membrane; endosome membrane; extrinsic to membrane; Golgi apparatus; intracellular membrane-bound organelle; lamellipodium; membrane; protein complex; retromer complex Molecular Function: epidermal growth factor receptor binding; identical protein binding; insulin receptor binding; phosphoinositide binding; protein binding; protein heterodimerization activity; protein homodimerization activity Biological Process: intracellular protein transport; negative regulation of transforming growth factor beta receptor signaling pathway; positive regulation of protein catabolic process; receptor internalization; retrograde transport, endosome to Golgi; vesicle organization and biogenesis
Research Articles on SNX1	**1.** Results show that suppression of EGFR membrane recycling by SNX1 appears to be critical for the activation of EGFR /PI3K/AKT signaling pathway in human lung cancer cells.
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/fish-elisa-kits/sorting-nexin-1-snx1/9352011