SEC13 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	SEC13, Monoclonal Antibody
Full Product Name	SEC13 (Protein SEC13 Homolog, SEC13-like Protein 1, SEC13-related Protein, D3S1231E, SEC13L1, SEC13R) (MaxLight 750)
Product Gene Name	anti-SEC13 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1G7
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human SEC13.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
OMIM	600152
3D Structure	ModBase 3D Structure for P55735
Immunogen	Partial recombinant corresponding to aa226-325 from human SEC13 (NP_109598) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	SIGLPTSTIASCSQDGRVFIWTCDDASSNTWSPKLLHKFNDVVWHVSWSITANILAVSGGDNKVTLWKESVDGQWVCISDVNKGQGSVSASVTEGQQNE
Conjugate	MaxLight750
Product Categories/Family for anti-SEC13 antibody	Antibodies; Transport Proteins
Applications Tested/Suitable for anti-SEC13 antibody	FLISA, Immunoprecipitation (IP)
Application Notes for anti-SEC13 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-SEC13 antibody	Functions as a component of the nuclear pore complex (NPC) and the COPII coat. At the endoplasmic reticulum, SEC13 is involved in the biogenesis o COPII-coated vesicles.

Other Notes	Small volumes of anti-SEC13 antibody 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 SEC13 purchase	MBS6235214 is an antibody targeting SEC13. Also known as SEC13 (Protein SEC13 Homolog, SEC13-like Protein 1, SEC13-related Protein, D3S1231E, SEC13L1, SEC13R) (MaxLight 750). Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SEC13. It may not necessarily be applicable to this product.

NCBI GI #	34335136
NCBI GeneID	6396
NCBI Accession #	NP_109598
UniProt Primary Accession #	P55735
UniProt Related Accession #	P55735
GenBank Nucleotide #	NM_030673
NCBI Official Full Name	protein SEC13 homolog isoform 4
NCBI Official Synonym Full Names	SEC13 homolog, nuclear pore and COPII coat complex component
NCBI Official Symbol	SEC13
NCBI Official Synonym Symbols	SEC13R; npp-20; SEC13L1; D3S1231E
UniProt Protein Name	Protein SEC13 homolog
UniProt Synonym Protein Names	SEC13-like protein 1; SEC13-related protein
Protein Family	Protein transport protein
UniProt Gene Name	SEC13
UniProt Synonym Gene Names	D3S1231E; SEC13L1; SEC13R
UniProt Entry Name	SEC13_HUMAN
NCBI Protein Information	protein SEC13 homolog
NCBI Summary for SEC13	The protein encoded by this gene belongs to the SEC13 family of WD-repeat proteins. It is a constituent of the endoplasmic reticulum and the nuclear pore complex. It has similarity to the yeast SEC13 protein, which is required for vesicle biogenesis from endoplasmic reticulum during the transport of proteins. Multiple alternatively spliced transcript variants have been found. [provided by RefSeq, Oct 2008]
UniProt Comments for SEC13	SEC13: Functions as a component of the nuclear pore complex (NPC) and the COPII coat. At the endoplasmic reticulum, SEC13 is involved in the biogenesis of COPII-coated vesicles. Belongs to the WD repeat SEC13 family. Protein type: Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 3p25-p24 Cellular Component: kinetochore; Golgi membrane; endoplasmic reticulum membrane; nuclear envelope; cytosol Molecular Function: protein binding Biological Process: COPII coating of Golgi vesicle; intracellular protein transport; antigen processing and presentation of peptide antigen via MHC class I; ER to Golgi vesicle-mediated transport; mRNA transport; cellular protein metabolic process; antigen processing and presentation of exogenous peptide antigen via MHC class II; protein amino acid N-linked glycosylation via asparagine; mitotic cell cycle; post-translational protein modification

Research Articles on SEC13	**1.** TRAPPC12, but not TRAPPC8, bound to Sec13/Sec31A tetramer but each Sec protein alone could not interact with TRAPPC12.
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/monoclonal-human-antibody/sec13/6235214