GOLGA8A siRNA – Golgin Subfamily A Member 8a (Human)

PRODUCT OVERVIEW

Product Name	GOLGA8A, siRNA
Full Product Name	GOLGA8A siRNA (Human)
Product Gene Name	GOLGA8A sirna
Product Synonym Names	Golgin subfamily A member 8A; 88 kDa Golgi matrix protein; GM88; GM88 autoantigen
Host	Synthetic
Species Reactivity	Human
Form/Format	Lyophilized powder
Purity/Purification	> 97%
Specificity	GOLGA8A siRNA (Human) is a target-specific 19-23 nt siRNA oligo duplexes designed to knock down gene expression.
Preparation and Storage	Shipped at 4 degree C. Store at -20 degree C for one year.
Molecular Weight	67,264 Da
OMIM	616180
3D Structure	ModBase 3D Structure for A7E2F4
Negative Control	siRNA Negative Control (Catalog# MBS8241404) is a non-targeting 21 nt siRNA recommended as a negative control for experiments using targeted siRNA transfection.
Quality Control	Oligonucleotide synthesis is monitored base by base through trityl analysis to ensure appropriate coupling efficiency. The oligo is subsequently purified by affinity-solid phase extraction. The annealed RNA duplex is further analyzed by mass spectrometry to verify the exact composition of the duplex. Each lot is compared to the previous lot by mass spectrometry to ensure maximum lot-to-lot consistency.
Directions for Use	We recommends transfection with 100 nM siRNA 48 to 72 hours prior to cell lysis. Before resuspending, briefly centrifuge the tube to ensure the lyophilized siRNA is at the bottom of the tube. Resuspend the siRNA oligos to an appropriate concentration with DEPC water. For each vial, suitable for 250 transfections in 24 well plate (20 pmol for each well).
Components	We offer pre-designed sets of 3 different target-specific siRNA oligo duplexes of human GOLGA8A gene. Each vial contains 5 nmol of lyophilized siRNA. The duplexes can be transfected individually or pooled together to achieve knockdown of the target gene, which is most commonly assessed by qPCR or western blot. Our siRNA oligos are also chemically modified (2'-OMe) at no extra charge for increased stability and enhanced knockdown in vitro and in vivo.
Applications Tested/Suitable for GOLGA8A sirna	RNA Interference (RNAi)
Related Product Information for GOLGA8A sirna	MBS8239869 is an siRNA targeting GOLGA8A. Also known as GOLGA8A siRNA (Human). Reactive in Human. Host: Synthetic. siRNA to inhibit GOLGA8A expression using RNA interference
Other Notes	Small volumes of GOLGA8A sirna 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 GOLGA8A. It may not necessarily be applicable to this product.

NCBI GI #	31083099
NCBI GeneID	23015
NCBI Accession #	NP_851422.1
UniProt Primary Accession #	A7E2F4
UniProt Secondary Accession #	O94937; Q52M46; Q68DK6; Q9NZG8; Q9NZW0; Q9NZW3; A7MCY9; B7ZMK5
UniProt Related Accession #	A7E2F4
GenBank Nucleotide #	NM_181077.3
NCBI Official Full Name	golgin subfamily A member 8A
NCBI Official Synonym Full Names	golgin A8 family, member A
NCBI Official Symbol	GOLGA8A
NCBI Official Synonym Symbols	GM88
UniProt Protein Name	Golgin subfamily A member 8A
UniProt Synonym Protein Names	88 kDa Golgi matrix protein; GM88; GM88 autoantigen
Protein Family	Golgin subfamily
UniProt Gene Name	GOLGA8A
UniProt Synonym Gene Names	KIAA0855; GM88
UniProt Entry Name	GOG8A_HUMAN
NCBI Protein Information	golgin subfamily A member 8A
NCBI Summary for GOLGA8A	The Golgi apparatus, which participates in glycosylation and transport of proteins and lipids in the secretory pathway, consists of a series of stacked, flattened membrane sacs referred to as cisternae. Interactions between the Golgi and microtubules are thought to be important for the reorganization of the Golgi after it fragments during mitosis. The golgins constitute a family of proteins which are localized to the Golgi. This gene encodes a golgin which structurally resembles its family member GOLGA2, suggesting that they may share a similar function. There are many similar copies of this gene on chromosome 15. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2009]
UniProt Comments for GOLGA8A	GOLGA8A: May be involved in maintaining Golgi structure. Belongs to the GOLGA8 family. 2 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 15q11.2
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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