

Recombinant Human MIA2 Protein

Cat. No. MIA2-11H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MIA2 Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	101 amino acids
Description	This gene encodes s receptor in the endoplasmic reticulum, which plays a role in the export of large pre-chylomicrons and pre-very low density lipoproteins (pre-VLDLs). Three major classes of transcripts are generated from this gene- melanoma inhibitory activity 2-specific transcripts, cTAGE family member 5-specific transcripts and transcripts that include exons from both these transcript species (TANGO1-like or TALI). Additionally, alternative splicing in these transcripts results in multiple transcript variants encoding multiple isoforms.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	Data Not Available.
Molecular Mass	11.5 kDa, a single non-glycosylated polypeptide chain containing 101 amino acids.
AA Sequence	MLESTKLLADLKKCGDLECEALINRVSAMRDYRGPDCRYLNFTKGEEISVYVKLAGE REDLWAGSKGKEFGYFPRDAVQIEEVFISEEIQMSTKESDFLCL

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Endotoxin	Less than 1 EU/μg of rHuMIA-2 as determined by LAL method.
Purity	>97% by SDS-PAGE and HPLC analyses.
Storage	This lyophilized preparation is stable at 2-8 centigrade, but should be kept at -20 centigrade for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 centigrade. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 or -70 centigrade. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2μm filtered concentrated solution in 20mM PB, pH 7.4, 150mM NaCl.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at < -20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	MIA2 MIA SH3 domain ER export factor 2 [Homo sapiens (human)]
Official Symbol	MIA2
Synonyms	MIA2; MIA SH3 domain ER export factor 2; MEA6; MGEA; TAL1; MGEA6; CTAGE5; MGEA11; melanoma inhibitory activity protein 2; CTAGE family member 5, ER export factor; CTAGE family, member 5; MIA protein 2; TANGO1-like; cutaneous T-cell lymphoma-associated antigen 5; melanoma inhibitory activity 2; meningioma expressed antigen 6 (coiled-coil proline-rich); meningioma-expressed antigen 6/11;

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protein cTAGE-5

Gene ID	4253
mRNA Refseq	NM_203356
Protein Refseq	NP_976231
MIM	602132
UniProt ID	Q96PC5

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