

Product Information

MemDX™ Membrane Protein Human NUP98 (Nucleoporin 98 and 96 precursor) for Antibody Discovery

Cat. No.: **MP0824X**

This product is for research use only and is not intended for diagnostic use.

This product is a 92.4 kDa Human NUP98 membrane protein expressed in *in vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

NUP98

Protein Length

Full-length

Molecular Weight

92.4 kDa

Sequence

MKLYQTPLELKLKHSTVHVDELCPILVPNLGVAVIHDYADWVKEASGDLPEAQIVKHWSLTWTLCEALWGHLKELDSQLNEPREYIQ

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

NUP98

Full Name

Nucleoporin 98 and 96 precursor

Introduction

Nuclear pore complexes (NPCs) regulate the transport of macromolecules between the nucleus and cytoplasm, and are composed of many polypeptide subunits, many of which belong to the nucleoporin family. This gene belongs to the nucleoporin gene family and encodes a 186 kDa precursor protein that undergoes autoproteolytic cleavage to generate a 98 kDa nucleoporin and 96 kDa nucleoporin. The 98 kDa nucleoporin contains a Gly-Leu-Phe-Gly (GLGF) repeat domain and participates in many cellular processes, including nuclear import, nuclear export, mitotic progression, and regulation of gene expression. The 96 kDa nucleoporin is a scaffold component of the NPC. Proteolytic cleavage is important for targeting of the proteins to the NPC. Translocations between this gene and many other partner genes have been observed in different leukemias. Rearrangements typically result in chimeras with the N-terminal GLGF domain of this gene to the C-terminus of the partner gene. Alternative splicing results in multiple transcript variants encoding different isoforms, at least two of which are proteolytically processed. Some variants lack the region that encodes the 96 kDa nucleoporin.

Alternative Names

ADIR2; NUP96; NUP196; Nup98-96; nuclear pore complex protein Nup98-Nup96; nuclear pore complex protein Nup98; GLFG-repeat containing nucleoporin; NUP98/PHF23 fusion 2 protein; Nup98-Nup96; nucleoporin 96; nucleoporin 98kD; nucleoporin 98kDa; 98 kDa nucleoporin; 96 kDa nucleoporin

Gene ID

[4928](#)

UniProt ID

[P52948](#)