

Product Information

MemDX™ Membrane Protein Human NUP50 (Nucleoporin 50) for Antibody Discovery

Cat. No.: **MP0822X**

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

This product is a 76.5 kDa Human NUP50 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

NUP50

Protein Length

Full-length

Molecular Weight

76.5 kDa

Sequence

MAKRNAEKELTDRNWDQEDEAEEVGTFSMASEEVLKNRAIKKAKRRNVGFESDTGGAFKGFKGLVVPSSGGGRFSGFGSGAGGK

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**

NUP50

Full Name

Nucleoporin 50

Introduction

The nuclear pore complex is a massive structure that extends across the nuclear envelope, forming a gateway that regulates the flow of macromolecules between the nucleus and the cytoplasm. Nucleoporins are the main components of the nuclear pore complex in eukaryotic cells. The protein encoded by this gene is a member of the FG-repeat containing nucleoporins that functions as a soluble cofactor in importin-alpha:beta-mediated nuclear protein import. Pseudogenes of this gene are found on chromosomes 5, 6, and 14. Two transcript variants encoding different isoforms have been found for this gene.

Alternative Names

NPAP60; NPAP60L; nuclear pore complex protein Nup50; 50 kDa nucleoporin; nuclear pore-associated protein 60L; nucleoporin 50kD; nucleoporin 50kDa; nucleoporin Nup50

Gene ID

[10762](#)

UniProt ID

[Q9UKX7](#)