

## Product Information

### MemDX™ Membrane Protein Human TRIM5 (Tripartite motif containing 5) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX0972K**

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

This product is a Human TRIM5 membrane protein expressed *in vitro* *E.coli* 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

TRIM5

##### Protein Length

Full Length

##### Protein Class

Transferase

##### Molecular Weight

60.3kDa

##### Sequence

MASGILNVKEEVTCPICLELLTQPLSLDCGHSFCQACLTANHKKSMLDKGESSCPVCRISYQOPENIRPNRHVANIVEKLREVKLSPE

#### Product Description

##### Expression Systems

*in vitro* *E.coli* expression system

##### Tag

6xHis tag at the N-terminus

##### Protein Format

Soluble

##### Form

Liquid or Lyophilized powder

##### Purity

>90% as determined by SDS-PAGE.

#### **Buffer**

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

#### **Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

### **Target**

#### **Target Protein**

TRIM5

#### **Full Name**

Tripartite motif containing 5

#### **Introduction**

The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The protein forms homo-oligomers via the coiled-coil region and localizes to cytoplasmic bodies. It appears to function as a E3 ubiquitin-ligase and ubiquitinates itself to regulate its subcellular localization. It may play a role in retroviral restriction. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene.

#### **Alternative Names**

TRIM5; RNF88; TRIM5alpha; tripartite motif-containing protein 5; RING-type E3 ubiquitin transferase TRIM5; ring finger protein 88; tripartite motif containing 5 transcript variant iota; tripartite motif containing 5 transcript variant kappa; tripartite motif protein TRIM5; Tripartite motif containing 5

#### **Gene ID**

[85363](#)

#### **UniProt ID**

[Q9C035](#)