

## 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**

MASGILVNVKEEVTCPICLELLTQPLSLDCGHSFCQACLTANHKKSMMLDKGESSCPVCRISYQPENIRPNRHVANIVEKLREVKLSPE

#### 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](#)