

## Product Information

**MemDX™ Membrane Protein Human TNFRSF11A (TNF receptor superfamily member 11a)**

**Expressed in *E.coli* with 6xHis tag at the N-terminus for Antibody Discovery, Partial (28-202aa)**

Cat. No.: **MPX4222K**

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

This product is a 23.2kDa Human TNFRSF11A membrane protein expressed in *E.coli*. 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**

TNFRSF11A

**Protein Length**

Partial (28-202aa)

**Protein Class**

Receptor

**Molecular Weight**

23.2kDa

**TMD**

1

**Sequence**

LQIAPPCTSEKHYEHLGRCCNKCEPGKYMSSKCTTSDSVCLPCGPDEYLDWNEEDKCLLHKVCDTGKALVAVVAGNSTTPRR

### Product Description

**Expression Systems**

*E.coli*

**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**

TNFRSF11A

**Full Name**

TNF receptor superfamily member 11a

**Introduction**

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptors can interact with various TRAF family proteins, through which this receptor induces the activation of NF-kappa B and MAPK8/JNK. This receptor and its ligand are important regulators of the interaction between T cells and dendritic cells. This receptor is also an essential mediator for osteoclast and lymph node development. Mutations at this locus have been associated with familial expansile osteolysis, autosomal recessive osteopetrosis, and Paget disease of bone. Alternatively spliced transcript variants have been described for this locus.

**Alternative Names**

TNFRSF11A; FEO; OFE; ODFR; OSTs; PDB2; RANK; CD265; OPTB7; TRANCER; LOH18CR1; TRANCE-R; tumor necrosis factor receptor superfamily member 11A; Paget disease of bone 2; TRANCE recepto; familial expansile osteolysis; loss of heterozygosity, 18, chromosomal region 1; osteoclast differentiation factor receptor; receptor activator of NF-KB; receptor activator of nuclear factor-kappa B; tumor necrosis factor receptor superfamily, member 11a, NFKB activator; TNF receptor superfamily member 11a

**Gene ID**

[8792](#)

**UniProt ID**

[Q9Y6Q6](#)