

# Recombinant Mouse TARM1 Protein

**For Research Use Only**

## 1. Basic Product Information

Catalog No.: REP51115

Size: 10ug, 100ug

Protein Name: T-cell-interacting, activating receptor on myeloid cells protein 1 (OSCAR-like transcript-2 protein) (OLT-2)

Synonym: Tarm1, Gm9904

UniProt ID: B6A8R8

UniProt Link: [www.uniprot.org/uniprotkb/B6A8R8/entry](http://www.uniprot.org/uniprotkb/B6A8R8/entry)

Species Source: Mouse

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 288 AA

Molecular Weight: 31 KD

Protein Tag: C-terminal His6

## 2. Amino Acid Sequence

MISRLLSLLCLRLCVGQTDIPENGSPPKPSLSAWPSTVLPTKSHVTMQCKSPTPSKYFILKKEGFALN  
SVKPYNLTEETADFHFTDLRQNDGGHYTCEYYSKWPHDTPSHPSNALFLLVTGYLPQPSFQAHHRG  
TVTAGSKVTLQCQKAGSVLGPVKFALLKVGHSTPVQTRSSTGMVSDFSLQNVTARDSGEYSCVYYQ  
AKAPYRASGPSNLLISVIDNHL PQDLAASTFPPQLTATSPKTPGMTTEGYTVDNLIRVGVAAILLIV  
GGFLVEAWHSERLSPNKPW

## 3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

## 4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

## 5. Product Description

This product is recombinant T-cell-interacting, activating receptor on myeloid cells protein 1 (OSCAR-like transcript-2 protein) (OLT-2) produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

**Protein Function:** May act as receptor. Negatively regulates TCR-mediated CD4(+) T cell proliferation and activation, possibly by binding an unknown ligand on the T cell surface. Enhances Toll-like receptor-mediated production of pro-inflammatory cytokines by macrophages and neutrophils.

**Subcellular Localization:** Cell membrane ; Single-pass type I membrane protein .

## 6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.