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# Recombinant human HVEM/TNFRSF14 protein

Catalog Number: ATGP3379

#### PRODUCT INFORMATION

### **Expression system**

Baculovirus

#### **Domain**

39-202aa

#### UniProt No.

092956

#### **NCBI Accession No.**

NP 003811

#### **Alternative Names**

Tumor necrosis factor receptor superfamily member 14, Herpes virus entry mediator A, Herpesvirus entry mediator A, HveA, Tumor necrosis factor receptor-like 2, TR2, CD270, HVEM, ATAR, LIGHTR

#### **PRODUCT SPECIFICATION**

#### **Molecular Weight**

44.6 kDa (406aa)

#### **Concentration**

0.25mg/ml (determined by absorbance at 280nm)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

#### **Purity**

> 90% by SDS-PAGE

#### **Endotoxin level**

< 1 EU per 1ug of protein (determined by LAL method)

#### Tag

hlgG-His-Tag

### **Application**

SDS-PAGE

## **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

# **BACKGROUND**

# **Description**

TNFRSF14, as known as tumor necrosis factor receptor superfamily member 14 isoform 1, is a type 1 membrane protein belonging to the TNF/NGF receptor superfamily. Expression of this protein has been detected in peripheral blood T cells, B cells, monocytes and in various tissue enriched in lymphoid cells. Binding of herpes



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simplex virus (HSV) viral envelope glycoprotein D to this receptor protein has been shown to be part of HSV entry mechanism, and from which its name derived. Recombinant human TNFRSF14, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques

# **Amino acid Sequence**

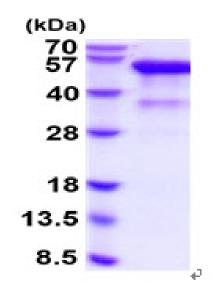
ADPLPSCKED EYPVGSECCP KCSPGYRVKE ACGELTGTVC EPCPPGTYIA HLNGLSKCLQ CQMCDPAMGL RASRNCSRTE NAVCGCSPGH FCIVQDGDHC AACRAYATSS PGQRVQKGGT ESQDTLCQNC PPGTFSPNGT LEECQHQTKC SWLVTKAGAG TSSSHWVLEP KSCDKTHTCP PCPAPELLGG PSVFLFPPKP KDTLMISRTP EVTCVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLHQDWLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSRDE LTKNQVSLTC LVKGFYPSDI AVEWESNGQP ENNYKTTPPV LDSDGSFFLY SKLTVDKSRW QQGNVFSCSV MHEALHNHYT OKSLSLSPGK HHHHHH

#### **General References**

Inoue T., et al. (2015) Anticancer Res. 35:1361-1367. Steinberg MW., et al. (2011) Immunol. Rev. 244:169-187.

#### **DATA**

#### **SDS-PAGE**



15% SDS-PAGE (3ug)4

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

