

# Recombinant Human TNFRSF14 Protein, Fc/His-tagged, Alexa Fluor 647 conjugated

**Cat. No.** TNFRSF14-756HAF647    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Alexa Fluor 647 conjugated recombinant human TNFRSF14 precursor extracellular domain (Met 1-Val 202) (NP_003811.2), fused with the polyhistidine-tagged Fc region of human IgG1 at the C-terminus, was produced in Human Cell.                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 413                                                                                                                                                                                                                                                                                                                                               |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | The recombinant human HVEM/Fc is a disulfide-linked homodimeric protein after removal of the signal peptide. The reduced monomer consists of 413 amino acids and predicts a molecular mass of 45.4 kDa. By SDS-PAGE under reducing conditions, the apparent molecular mass of rh HVEM/Fc monomer is approximately 60-65 kDa due to glycosylation. |
| <b>Endotoxin</b>        | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                                                                                                                      |
| <b>Characteristic</b>   | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 647 via amines<br>Excitation = 650 nm<br>Emission = 668 nm                                                                                                                                                                                                                                 |

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                            |
| <b>Storage</b>        | Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.       |
| <b>Storage Buffer</b> | Lyophilized from sterile 100 mM Glycine, 10 mM NaCl, 50 mM Tris, pH 7.5                                                                                                   |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| <b>Conjugation</b>    | Alexa Fluor 647                                                                                                                                                           |

## GENE INFORMATION

|                        |                                                                                 |
|------------------------|---------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TNFRSF14 tumor necrosis factor receptor superfamily, member 14 [ Homo sapiens ] |
| <b>Official Symbol</b> | TNFRSF14                                                                        |
| <b>Gene ID</b>         | 8764                                                                            |
| <b>mRNA Refseq</b>     | NM_003820                                                                       |
| <b>Protein Refseq</b>  | NP_003811                                                                       |
| <b>MIM</b>             | 602746                                                                          |
| <b>UniProt ID</b>      | Q92956                                                                          |

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