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# Product datasheet for TP317759

## LIGHT (TNFSF14) (NM_003807) Human Recombinant Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Recombinant protein of human tumor necrosis factor (ligand) superfamily, member 14 (TNFSF14), transcript variant 1, 20 µg |
| **Species:** | Human |
| **Expression Host:** | HEK293T |
| **Expression cDNA Clone or AA Sequence:** | >RC217759 representing NM_003807<br>Red=Cloning site Green=Tags(s)<br><br>MEESVVRPSVFVVDGQTDIPFTRLGRSHRRQSCSVARVGLGLLLLLMGAGLAVQGWFLLQLHWRLGEMV<br>T<br>RLPDGPAGSWEQLIQERRSHEVNPAAHLTGANSSLTGSGGPLLWETQLGLAFLRGLSYHDGALVVTKAGY<br>YYIYSKVQLGGVGCPLGLASTITHGLYKRTPRYPEELELLVSQQSPCGRATSSSRVWWDSSFLGGVVHLE<br>AGEKVVVRVLDERLVRLRDGTRSYFGAFMV<br><br>TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Tag:** | C-Myc/DDK |
| **Predicted MW:** | 22 kDa |
| **Concentration:** | >0.05 µg/µL as determined by microplate BCA method |
| **Purity:** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Buffer:** | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| **Preparation:** | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| **Note:** | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| **Storage:** | Store at -80°C. |
| **Stability:** | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| **RefSeq:** | NP_003798 |
| **Locus ID:** | 8740 |

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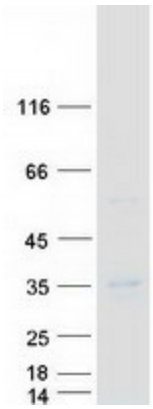
|---|---|
| **UniProt ID:** | O43557 |
| **RefSeq Size:** | 1491 |
| **Cytogenetics:** | 19p13.3 |
| **RefSeq ORF:** | 720 |
| **Synonyms:** | CD258; HVEML; LIGHT; LTg |
| **Summary:** | The protein encoded by this gene is a member of the tumor necrosis factor (TNF) ligand family. This protein is a ligand for TNFRSF14, which is a member of the tumor necrosis factor receptor superfamily, and which is also known as a herpesvirus entry mediator (HVEM). This protein may function as a costimulatory factor for the activation of lymphoid cells and as a deterrent to infection by herpesvirus. This protein has been shown to stimulate the proliferation of T cells, and trigger apoptosis of various tumor cells. This protein is also reported to prevent tumor necrosis factor alpha mediated apoptosis in primary hepatocyte. Two alternatively spliced transcript variant encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008] |
| **Protein Families:** | Druggable Genome, Secreted Protein, Transmembrane |
| **Protein Pathways:** | Cytokine-cytokine receptor interaction |

## Product images:




Coomassie blue staining of purified TNFSF14 protein (Cat# TP317759). The protein was produced from HEK293T cells transfected with TNFSF14 cDNA clone (Cat# [RC217759]) using MegaTran 2.0 (Cat# [TT210002]).