

## Product datasheet for **TP720398M**

### ICOS Ligand (ICOSLG) (NM\_015259) Human Recombinant Protein

#### Product data:

|                                       |                                                                                                                                                                                                                                                                                         |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:                         | Recombinant Proteins                                                                                                                                                                                                                                                                    |
| Description:                          | Recombinant protein of human inducible T-cell co-stimulator ligand (ICOSLG)                                                                                                                                                                                                             |
| Species:                              | Human                                                                                                                                                                                                                                                                                   |
| Expression Host:                      | HEK293                                                                                                                                                                                                                                                                                  |
| Expression cDNA Clone or AA Sequence: | Asp19-Ser258                                                                                                                                                                                                                                                                            |
| Tag:                                  | C-His                                                                                                                                                                                                                                                                                   |
| Predicted MW:                         | 27.7 kDa                                                                                                                                                                                                                                                                                |
| Concentration:                        | lot specific                                                                                                                                                                                                                                                                            |
| Purity:                               | >95% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                              |
| Buffer:                               | Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl                                                                                                                                                                                                     |
| Endotoxin:                            | < 0.1 EU per µg protein as determined by LAL test                                                                                                                                                                                                                                       |
| Reconstitution Method:                | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH <sub>2</sub> O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| Storage:                              | Store at -80°C.                                                                                                                                                                                                                                                                         |
| Stability:                            | Stable for at least 6 months from date of receipt under proper storage and handling conditions.                                                                                                                                                                                         |
| RefSeq:                               | <a href="#">NP_056074</a>                                                                                                                                                                                                                                                               |
| Locus ID:                             | 23308                                                                                                                                                                                                                                                                                   |
| UniProt ID:                           | <a href="#">O75144</a> , <a href="#">A0N0L8</a>                                                                                                                                                                                                                                         |
| Cytogenetics:                         | 21q22.3                                                                                                                                                                                                                                                                                 |
| Synonyms:                             | B7-H2; B7h; B7H2; B7RP-1; B7RP1; CD275; GL50; ICOS-L; ICOSL; LICOS                                                                                                                                                                                                                      |



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**Summary:**

Ligand for the T-cell-specific cell surface receptor ICOS. Acts as a costimulatory signal for T-cell proliferation and cytokine secretion; induces also B-cell proliferation and differentiation into plasma cells. Could play an important role in mediating local tissue responses to inflammatory conditions, as well as in modulating the secondary immune response by co-stimulating memory T-cell function (By similarity).[UniProtKB/Swiss-Prot Function]

**Protein Families:**

Transmembrane

**Protein Pathways:**

Cell adhesion molecules (CAMs)

**Product images:**