

## Product datasheet for **TP727855**

### TNFRSF4 Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant Human OX40 (C-mFc)   |
| Species:                              | Human  |
| Expression cDNA Clone or AA Sequence: | Leu29-Ala216   |
| Tag:                                  | C-mFc  |
| Buffer:                               | Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.  |
| Note:                                 | Recombinant Human OX40L Receptor is produced by our Mammalian expression system and the target gene encoding Leu29- $\hat{A}$ Ala216 is expressed with a mFc tag at the C-terminus.  |
| Stability:                            | 12 months from date of despatch  |
| Locus ID:                             | 7293   |
| UniProt ID:                           | <a href="#">P43489</a>   |
| Summary:                              | <p>OX40, also termed CD134 and TNFRSF4, is a T cell co-stimulatory molecule of the TNF receptor superfamily which plays a key role in the survival and homeostasis of effector and memory T cells. OX40 is expressed on CD4<sup>+</sup> and CD8<sup>+</sup> T cells upon engagement of the TCR by antigen presenting cells along with co-stimulation by CD40-CD40 Ligand and CD28-B7. The interaction between OX40 and OX40 ligand (OX40L) will occur when activated T cells bind to professional antigen-presenting cells (APCs). The T-cell functions, including cytokine production, expansion, and survival, are then enhanced by the OX40 costimulatory signals. OX40 signals are critical for controlling the function and differentiation of Foxp3<sup>+</sup> regulatory T cells. OX40-OX40L interaction regulates T-cell tolerance, peripheral T-cell homeostasis, and T-cell-mediated inflammatory diseases.</p> |



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