# DR3/TNFRSF25 Protein, Human (177a.a, HEK293, Fc)

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| **Cat. No.:** | HY-P72666 |
| **Synonyms:** | Tumor necrosis factor receptor superfamily member 25; Apo-3; LARD; TNFRSF25; DR3; TNFRSF12; WSL; WSL1 |
| **Species:** | Human |
| **Source:** | HEK293 |
| **Accession:** | Q93038 (Q25-F201) |
| **Gene ID:** | 8718 |
| **Molecular Weight:** | 50-55 kDa |

## PROPERTIES

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| **AA Sequence** | Q G G T R S P R C D C A G D F H K K I G L F C C R G C P A G H Y L K A P C T E P C G N S T C L V C P Q D T F L A W E N H H N S E C A R C Q A C D E Q A S Q V A L E N C S A V A D T R C G C K P G W F V E C Q V S Q C V S S S P F Y C Q P C L D C G A L H R H T R L L C S R R D T D C G T C L P G F Y E H G D G C V S C P T S T L G S C P E R C A A V C G W R Q M F |
| **Appearance** | Lyophilized powder. |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. |
| **Endotoxin Level** | <1 EU/μg, determined by LAL method. |
| **Reconsititution** | It is not recommended to reconstitute to a concentration less than 100 μg/mL in $ddH_2O$. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose). |
| **Storage & Stability** | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage. |
| **Shipping** | Room temperature in continental US; may vary elsewhere. |

## DESCRIPTION

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| **Background** | DR3/TNFRSF25 Protein serves as the receptor for TNFSF12/APO3L/TWEAK and directly interacts with the adapter TRADD. This interaction leads to the activation of NF-kappa-B and induction of apoptosis. The protein may play a crucial role in regulating lymphocyte homeostasis. It forms homodimers and exhibits strong interactions via the death domains with TNFRSF1 and TRADD, initiating distinct signaling cascades involved in apoptosis and NF-kappa-B signaling. Additionally, DR3/TNFRSF25 interacts with BAG4, contributing to its multifaceted roles in cellular responses. |

**Caution: Product has not been fully validated for medical applications. For research use only.**

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