

This product is still under development. Please contact us if you have interest in this product. We will accelerate the development process accordingly and reserve this product for you as request.

Synonym

ILDR2,C1orf32

Source

Mouse ILDR2, His Tag (IL2-M52H5) is expressed from human 293 cells (HEK293). It contains AA Leu 36 - Glu 201 (Accession # [B5TVM2-1](#)).

Predicted N-terminus: Leu 36

Molecular Characterization

ILDR2(Leu 36 - Glu 201)
B5TVM2-1

Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 20.5 kDa.

Endotoxin

Formulation

Please contact us for detailed information.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

Background

ILDR2 belongs to the immunoglobulin superfamily. May be involved in lipid homeostasis and ER stress pathways. ILDR2 as a novel B7-like protein with robust T cell inhibitory activity, expressed in immune cells and in immune-privileged and inflamed tissues. A fusion protein, consisting of ILDR2 extracellular domain with an Fc fragment, that binds to a putative counterpart on activated T cells showed a beneficial effect in the collagen-induced arthritis model and abrogated the production of proinflammatory cytokines and chemokines in autologous synovial-like cocultures of macrophages and cytokine-stimulated T cells. Collectively, these findings point to ILDR2 as a novel negative regulator for T cells, with potential roles in the development of immune-related diseases, including autoimmunity and cancer.

References

- (1) [Elizabeth J Millings, et al. PLoS One. 2018. 13\(5\):e0197548.](#)
- (2) [Joseph R Podojil, et al. J Immunol. 2018. 200\(6\):2013-2024.](#)
- (3) [Iris Hecht, et al. J Immunol. 2018. 200\(6\):2025-2037.](#)

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.