

Product datasheet for **TP726757**

ILDR2 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human ILDR2 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Leu21-Glu186
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4.
Note:	Recombinant Human Immunoglobulin-like Domain-containing Receptor 2 is produced by our Mammalian expression system and the target gene encoding Leu21-Glu186 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	387597
UniProt ID:	Q71H61
Summary:	ILDR2 is a member of the B7-like family of proteins that regulate T cell activity, is also a known endoplasmic reticulum molecule that regulates lipid homeostasis. The human ILDR2 luminal domain shares a 99% and 98% homology with the mouse and rat respectively. The human gene encoding ILDR2 is located in a region on Chr1q23â€"25 that has been associated with type 2 diabetes. ILDR2 plays critical roles in hepatic clearance of lipoproteins and in lipid homeostasis. ILDR2 regulates human dendritic cells (DC2 cells, a subpopulation of polarized DCs that promotes Th2 differentiation). Recent publications reported that ILDR2 displayed negative regulatory functions on human and mouse T cells in various experimental systems. Fusion protein of ILDR2 luminal domain with an Fc fragment, displays therapeutic effects in collagen-induced arthritis (CIA), a mouse model of rheumatoid arthritis (RA). ILDR2 represents a novel B7-like ligand that exerts negative immune modulation via interaction with a putative counterpart receptor expressed on activated T cells.



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