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Product datasheet for TP724679

HHLA2 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human B7-H7 (C-hFc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ile23-Asn344
Tag:	C-Human Fc
Buffer:	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Note:	Recombinant Human B7-H7 (C-hFc) is produced by Human Cells. The target gene encoding Ile23-Asn344 is expressed with a C-hFc tag.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-5 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	11148
UniProt ID:	Q9UM44
Synonyms:	B7-H7,HHLA2,B7 Homolog 7
Summary:	B7-H7 (HHLA2) is a newly identified B7 family member that regulates human T-cell functions. B7-H7 was previously known as human endogenous retrovirus-H long terminal repeat associating 2 (HHLA2) with unidentified function. Recently, B7-H7 has been identified as a specific ligand for human CD28H. The B7-H7-CD28H pathway strongly promoted CD4+ T-cell proliferation and cytokine production via an AKT-dependent signaling cascade in the presence of TCR signaling, suggesting B7-H7 comprises a new co-stimulatory pathway. The first IgV domain of B7-H7, which presumably binds to a putative receptor, shows the highest homology to other B7 family members.
Protein Families:	Transmembrane

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