

Active Recombinant Human HHLA2 Protein, Fc-Avi-tagged, Biotinylated

Cat. No. HHLA2-551H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human B7-H7, Fc Tag, Avi Tag is expressed from HEK293 cells. It contains AA Ile 23 - Asn 344 (Accession # Q9UM44-1). This protein carries a human IgG1 Fc tag at the C-terminus, followed by a Avi tag.
Species	Human
Source	HEK293
ProteinLength	23-344 a.a.
Predicted N Terminal	Ile 23
Form	Lyophilized from 0.22 um filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
Bio-activity	Immobilized Human CD28H, Fc Tag at 5 ug/mL (100 uL/well) can bind Biotinylated Human B7-H7, Fc Tag, Avi Tag with a linear range of 5-78 ug/mL.
Molecular Mass	The protein has a calculated MW of 65.9 kDa. The protein migrates as 80-90 kDa under reducing condition (SDS-PAGE) due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>90% as determined by SDS-PAGE.

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Characteristic	Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin. The biotin to protein ratio is 0.45-1 as determined by the HABA assay.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	HHLA2 HERV-H LTR-associating 2 [Homo sapiens]
Official Symbol	HHLA2
Synonyms	HHLA2; HERV-H LTR-associating 2; HERV-H LTR-associating protein 2; human endogenous retrovirus-H long terminal repeat-associating protein 2;
Gene ID	11148
mRNA Refseq	NM_007072
Protein Refseq	NP_009003

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MIM	604371
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UniProt ID	Q9UM44
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