Active Recombinant Human HHLA2, Fc-tagged, Biotinylated

Cat. No. HHLA2-550H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human B7-H7-Fc fusion protein is expressed as a 574 amino acid protein consisting of Ile23 - Lys345 region of HHLA2/B7-H7 (UniProt accession #Q9UM44) and a C-terminal Fc fusion from human IgG1, which exists as a dimer under non-reducing condition.
Species	Human
Source	Human Cells
ProteinLength	23-345 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Inhibits anti-CD3 antibody induced cytokine (e.g., IFN- and IL-2) secretion in human T lymphocytes.
Molecular Mass	Calculated molecular mass 65.0 kDa; estimated by SDS-PAGE under reducing condition ~75 kDa probably due to glycosylation
AA Sequence	MKAQTALSFFLILITSLSGSQGIFPLAFFIYVPMNEQIVIGRLDEDIILPSSFERGSEVVI HWKYQDSYKVHSY YKGSDHLESQDPRYANRTSLFYNEIQNGNASLFFRRVSLLDE GIYTCYVGTAIQVITNKVVLKVGVFLTPVMKY EKRNTNSFLICSVLSVYPRPIITWKMD NTPISENNMEETGSLDSFSINSPLNITGSNSSYECTIENSLLKQTWT GRWTMKDGLH KMQSEHVSLSCQPVNDYFSPNQDFKVTWSRMKSGTFSVLAYYLSSSQNTIINESRF

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	SWNKELIN QSDFSMNLMDLNLSDSGEYLCNISSDEYTLLTIHTVHVEPSQETASHNK GSTGTHTCPPCPAPELLGGPSVFLF PPKPKDTLMISRTPEVTCVVVDVSHEDPEVK FNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGK EYKCKVSNKALP APIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQ PENNY KTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSL SLSPGK
Endotoxin	<0.1 eu per 1 μg of purified recombinant protein determined by the
Purity	>95% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below –20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.
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

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Protein Refseq	NP_009003
MIM	604371
UniProt ID	Q9UM44
Chromosome Location	3q13.13
Function	molecular_function;

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