

Recombinant Human HLA-E protein, His-Avi-tagged

Cat. No. HLA-E-038H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HLA-E Complex Tetramer Protein(P61769&P13747&VMAPRTLVL) is expressed from HEK293 with His and Avi tag at the C-terminal. It contains Gly25-Ile305(HLA-E),Ile21-Met119(B2M) and VMAPRTLVL peptide.
Species	Human
Source	HEK293
ProteinLength	It contains Gly25-Ile305(HLA-E),Ile21-Met119(B2M) and VMAPRTLVL peptide.
Description	HLA-E is a nonclassical member of the major histocompatibility complex class I gene locus. HLA-E protein shares a high level of homology with MHC Ia classical proteins: it has similar tertiary structure, associates with β 2-microglobulin, and is able to present peptides to cytotoxic lymphocytes. The main function of HLA-E under normal conditions is to present peptides derived from the leader sequences of classical HLA class I proteins, thus serving for monitoring of expression of these molecules performed by cytotoxic lymphocytes.
Form	Supplied as 0.22um filtered solution in PBS (pH 7.4).
Molecular Mass	The protein has a predicted MW of 258 kDa. Due to glycosylation, the protein tetramer migrates to 230-260 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μ g by the LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by SEC-HPLC
Storage	The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.
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.

GENE INFORMATION

Gene Name	HLA-E major histocompatibility complex, class I, E [Homo sapiens (human)]
Official Symbol	HLA-E
Synonyms	HLA class I histocompatibility antigen, alpha chain E; HLAE;sHLA-E
Gene ID	3133
mRNA Refseq	NM_005516
Protein Refseq	NP_005507
MIM	143010
UniProt ID	P13747

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA