

# Recombinant Full Length Human HLA-E Protein, GST-tagged

Cat. No. HLA-E-3602HF    Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human HLA-E full-length ORF (1 a.a. - 358 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	358 amino acids
<b>Description</b>	HLA-E belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored in the membrane. HLA-E binds a restricted subset of peptides derived from the leader peptides of other class I molecules. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the alpha1 and alpha2 domains, which both bind the peptide, exon 4 encodes the alpha3 domain, exon 5 encodes the transmembrane region, and exons 6 and 7 encode the cytoplasmic tail. [provided by RefSeq
<b>Molecular Mass</b>	66.6 kDa
<b>AA Sequence</b>	MVDGTLLELLSEALALTQTWAGSHSLKYFHTSVSRPGRGEPFISVGYVDDTQFVRF DNDAASPRMVPRAPWMEQEGSEYWDRETRSARDTAQIFRVNLRTRLRGYYNQSEA GSHTLQWMHGCELGPDRRFLRGYEQFAYDYGKDYLTNEDLRSWTAVDTAAQISEQ KSNDAEAEHQRAYLEDTCVEWLHKYLEKKGKETLLHLEPPKTHVTHHPISDHEATLR CWALGFYPAEITLTWQQDGEGHTQDTELVETRPAGDGTGFKWAAVVVPSGEEQRY

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TCHVQHEGLPEPVTLRWKQASQPTIPIVGIIAGLVLLGSVSVSGAVVAAVIWRKKSSGG  
KGGSYSKAEWSDSAQGSSEHSL

<b>Applications</b>	<p>Enzyme-linked Immunoabsorbent Assay</p> <p>Western Blot (Recombinant protein)</p> <p>Antibody Production</p> <p>Protein Array</p>
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">HLA-E major histocompatibility complex, class I, E [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">HLA-E</a>
<b>Synonyms</b>	HLA-E; major histocompatibility complex, class I, E; HLA class I histocompatibility antigen, alpha chain E; MHC HLA-E alpha-1; lymphocyte antigen; MHC HLA-E alpha-2.1; MHC class I antigen E; HLA class I histocompatibility antigen, E alpha chain; MHC; QA1; EA1.2; EA2.1; HLA-6.2; DKFZp686P19218;
<b>Gene ID</b>	<a href="#">3133</a>
<b>mRNA Refseq</b>	<a href="#">NM_005516</a>
<b>Protein Refseq</b>	<a href="#">NP_005507</a>

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<b>MIM</b>	143010
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<b>UniProt ID</b>	P13747
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