

Recombinant Full Length Human CD8B Protein

Cat. No. CD8B-65HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CD8 beta with a proprietary tag; Predicted MW 52.8 kDa inclusive of tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	243 amino acids
Description	<p>The CD8 antigen is a cell surface glycoprotein found on most cytotoxic T lymphocytes that mediates efficient cell-cell interactions within the immune system. The CD8 antigen, acting as a coreceptor, and the T-cell receptor on the T lymphocyte recognize antigens displayed by an antigen presenting cell (APC) in the context of class I MHC molecules. The functional coreceptor is either a homodimer composed of two alpha chains, or a heterodimer composed of one alpha and one beta chain. Both alpha and beta chains share significant homology to immunoglobulin variable light chains. This gene encodes the CD8 beta chain isoforms. Multiple alternatively spliced transcript variants encoding distinct membrane associated or secreted isoforms have been described. A pseudogene, also located on chromosome 2, has been identified.</p>
Form	Liquid
Molecular Mass	52.800kDa inclusive of tags
AA Sequence	MRPRLWLLLAQLTVLHGNSVLQQTPAYIKVQTNKMVMLSCEAKISLSNMRIYWLRQ

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RQAPSSDSHHEFLALWDSAKGTIHGEEVEQEKIAVFRDASRFILNLTSVKPEDSGIYF
 CMIVGSPELTFGKGTQLSVVDFLPTTAQPTKKSTLKKRVCRLPRPETQKGPLCSPITL
 GLLVAGVLVLLVSLGVAIHLCCRRRRARLRFMKQPQGEGISGTFVPQCLHGYYSNTT
 TSQKLLNPWILKT

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name [CD8B CD8b molecule \[Homo sapiens \]](#)

Official Symbol [CD8B](#)

Synonyms CD8B; CD8b molecule; CD8 antigen, beta polypeptide 1 (p37) , CD8B1; T-cell surface glycoprotein CD8 beta chain

Gene ID [926](#)

mRNA Refseq [NM_001178100](#)

Protein Refseq [NP_001171571](#)

MIM [186730](#)

UniProt ID [P10966](#)

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