

Recombinant Full Length Human CD8B Protein, GST-tagged

Cat. No. CD8B-3091HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CD8B1 full-length ORF (NP_757362.1, 1 a.a. - 243 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	243 amino acids
Description	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. [provided by RefSeq, May 2010]
Molecular Mass	53.6 kDa
AA Sequence	MRPRLWLLLAQLTVLHGNSVLQQTPAYIKVQTNKMVMLSCEAKISLSNMRIYWLRQRQAPSSDSHHEFLALWDSAKGTIHGEEVEQEKIIVFRDASRFILNLTSVKPEDSGIYF

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CMIVGSPELTFGKGTQLSVVDFLPTTAQPTKKSTLKKRVCRLPRPETQKGPLCSPITL
 GLLVAGVLVLLVSLGVAIHLCCRRRRARLRFMKQPQGEISGTFVPQCLHGYYSNTT
 TSQKLLNPWILKT

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; CD8 antigen, beta polypeptide 1 (p37); T lymphocyte surface glycoprotein beta chain; LY3; P37; LEU2; LYT3; CD8B1; MGC119115;

Gene ID

926

mRNA Refseq

NM_001178100

Protein Refseq

NP_001171571

MIM

186730

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UniProt ID

P10966

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