PRODUCT INFORMATION

Target	CD8A
Synonyms	CD8; p32; Leu2; IMD116; CD8alpha
Description	Recombinant human CD8A Acidic tail Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P01732
Expression Host	HEK293
Tag	C-6×His tag
Molecular Characterization	CD8A(Ser22-Asp182) Acidic tail 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 19.5 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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 acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class I MHC molecules. The coreceptor functions as either a homodimer composed of two alpha chains or as 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 alpha chain. Multiple transcript variants encoding different isoforms have been found for this gene. The major protein isoforms of this gene differ by the presence or absence of a transmembrane domain and thus differ in being a membrane-anchored or secreted protein. [provided by RefSeq, May 2020]
Usage	Research use only
Conjugate	Unconjugated

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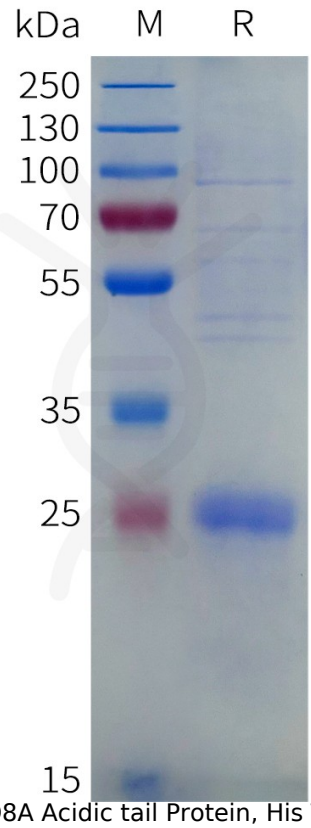


Figure 1. Human CD8A Acidic tail Protein, His Tag on SDS-PAGE under reducing condition.

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