Human ERAP2 (His Tag) recombinant protein

Catalog Number: 500880

General Information

Protein Construction

A DNA sequence encoding the lumenal domain of human ERAP2 (NP_071745.1) (Ala 56-Thr 960) was expressed with a polyhistidine tag at the N-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to cleave the fluorogenic peptide substrate, Arg-7-amido-4-methylcoumarin (Arg-AMC). The specific activity is >50 pmoles/min/μg.

Purity

> 98 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70℃

Predicted N terminal

Leu 24

Molecular Mass

The recombinant human ERAP2 consists of 921 amino acids and predictes a molecular mass of 106 kDa. In SDS-PAGE under reducing conditions, it migrates with the apparent molecular mass of 115-125 kDa due to glycosylation.

Formulation

Lyophilized from sterile 12.5mM Tris, 75mM NaCl, pH 7.5, 50% glycercol
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

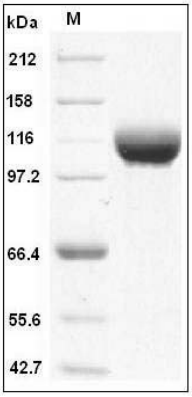
Storage

Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human LRAP / ERAP2 Protein (His Tag) SDS-PAGE