

## Sucrase-isomaltase/SI Protein, Human, Recombinant (His)

## General Information

Synonyms: Sucrase-isomaltase, intestinal;intestinal;SI

Protein Construction: 1008-1827 aa

Species: Human

Expression Host: Baculovirus Insect Cells

Accession: P14410

Molecular Weight: 97.9 kDa (predicted)

AA Sequence:

IKLPSPDISTRVEVKYHKNDMLQFKIYDPQKKRYEVPVPLNIPTTPISTYEDRLYDVEIKENPFGIQIRRRSSGRV  
IWDSWLPGFANFNDQFIQISTRPSEYIYGFGVEVHTAFKRDNLNWTWGMFTRDQPPGYKLNSYGFHPYYMAL  
EEEGNAHGCVLLNSNAMDVTFQPTPALTYRTVGGILDFYMFGLGPTPEVATKQYHEVIGHVPMPAYWALGFQL  
CRYGYANTSEVRELYDAMVAANIPYDVQYTDIDYMERQLDFTIGEAFQDLPQFVDKIRGEGMRYIIILDPAISG  
NETKTYPAFERGQNDVFKWPNTNDICWAKVWPDLNITIDKLTLEDEAVNASRAHVAFPDFFRSTAEW  
WAREIVDFYNEKMKFDGLWIDMNEPSSFVNGTTNQCENDELNYPPYFPELTKRTDGLHFRTICMEAEQILSD  
GTSVLHYDVHNLYGWSQMKPTHDALQKTTGKRGIVISRSTYPTSGRWGGHWLGDNYARWDNMDKSIIGMM  
EFSLFGMSYTGADICGFFNNSYHLCTRWMQLGAFYPYSRNHNIANRRQDPASWNETFAEMSRNINIRYT  
LLPYFYTQMHEIHANGGTVIRPLLHEFFDEKPTWDIFKQFLWGPAFMVTPVLEPYVQTVNAYVVPNARWFDYH  
TGKDIGVRGQFQTFNASYDTINLHVRRGGHILPCQEPANQTFYSRQKHMKLIVAADDNQMAQGSLFWDGGS  
IDTYERDLYLSVQFNLNQTTLTSTILKRGYINKSETRLGSLHVWGKGTTPVNAVTLTYNGNKNSLFPNEDTTNM  
ILRIDLTTHNVTLEPIEINWS

## QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 90% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Lyophilized from 10 mM Tris-HCl, 1 mM EDTA, 6% Trehalose, pH 8.0; Lyophilized from PBS, 6% Trehalose, pH 7.4

## Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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**Protein Background**

N/A

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