

# Recombinant Human ITIH3 protein (His tag) ab194042

## Description

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| <b>Product name</b>      | Recombinant Human ITIH3 protein (His tag)  |  |
| <b>Purity</b>            | > 95 % SDS-PAGE.<br>The purity of ab194042 was determined by SEC-HPLC and reducing SDS-PAGE.   |  |
| <b>Endotoxin level</b>   | < 0.100 Eu/μg  |  |
| <b>Expression system</b> | HEK 293 cells  |  |
| <b>Accession</b>         | <u><b>Q06033</b></u>   |  |
| <b>Protein length</b>    | Full length protein  |  |
| <b>Animal free</b>       | No   |  |
| <b>Nature</b>            | Recombinant  |  |
| <b>Species</b>           | Human  |  |
| <b>Sequence</b>          | <p>LPEGVANGIEVYSTKINSKVTSRFAHNVVTMRAVNRADTA<br/>           KEVSFDVELP<br/>           KTAFITNFTLTIDGVTYPGNVKEKEVAKKQYEKAVSQGKTA<br/>           GLVKASGRK<br/>           LEKFTSVNVAAGSKVTFELTYEELLKRHKGKYEMYLKVQ<br/>           PKQLVKHFEI<br/>           EVDIFEPQGISMILDAEASFITNDLLGSALTKSFSGKKGHVS<br/>           FKPSLDQQR<br/>           SCPTCTDSLLNGDFTITYDVNRESPGNVQVNGYFVHFFAP<br/>           QGLPVVPKN<br/>           VAFVIDISGSMAGRKLEQTKEALLRILEDMQEEDYLNFILFS<br/>           GDVSTWKE<br/>           HLVQATPENLQEARTFVKSMEDKGMTNINDGLLRGISMLN<br/>           KAREEHRIPE<br/>           RSTSMIMLTDGDANVGESRPEKIQENVRNAIGGKFPLYNL<br/>           GFGNNLNYN<br/>           FLENMALENHGFARRIYEDSDADLQLQGFYEEVANPLLTG<br/>           VEMEYPENAI<br/>           LDLTQNTYQHFYDGSEIVAGRLVDEDMNSFKADVKGHG<br/>           ATNDLTFTEEV<br/>           DMKEMEALQERDYIFGNIERLWAYLTIEQLLEKRKNAHG<br/>           EEKENLTAR<br/>           ALDLSLKYHFVTPLTSMVVTKPEDNERAIAADKPGEDAE<br/>           ATPVSPAMSYLTSYQPPQNPYYYYDGDVDHHHHHH</p> |  |

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| <b>Predicted molecular weight</b>      | 70 kDa including tags  |
| <b>Amino acids</b>                     | 35 to 651  |
| <b>Tags</b>                            | His tag C-Terminus   |
| <b>Additional sequence information</b> | This product is for the mature full length protein from aa 35 to 651. The signal and propeptide peptides are not included. |

## Specifications

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Our **Abpromise guarantee** covers the use of **ab194042** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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|---------------------|------------------|
| <b>Applications</b> | SDS-PAGE<br>HPLC |
| <b>Form</b>         | Lyophilized      |

## Preparation and Storage

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| <b>Stability and Storage</b> | Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.<br>pH: 7.40<br>Constituents: 99% Phosphate Buffer, 0.87% Sodium chloride<br><br>Lyophilized from a 0.2 µM filtered solution. |
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## General Info

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| <b>Relevance</b>             | The inter-alpha-trypsin inhibitors (ITI) are a family of structurally related plasma serine protease inhibitors involved in extracellular matrix stabilization and in prevention of tumor metastasis. ITIH3 may act as a carrier of hyaluronan in serum or as a binding protein between hyaluronan and other matrix protein, including those on cell surfaces in tissues to regulate the localization, synthesis and degradation of hyaluronan which are essential to cells undergoing biological processes. |
| <b>Cellular localization</b> | Secreted   |

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
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If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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