

## PRODUCT SPECIFICATION

|                          |                                                                                                                                                                                                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name             | PrEST Antigen COL12A1                                                                                                                                                                                         |
| Product Number           | APrEST71485                                                                                                                                                                                                   |
| Gene Description         | collagen, type XII, alpha 1                                                                                                                                                                                   |
| Alternative Gene Names   | COL12A1L                                                                                                                                                                                                      |
| Corresponding Antibodies | Anti-COL12A1 (HPA009143),<br>Anti-COL12A1 (HPA010021)                                                                                                                                                         |
| Description              | Recombinant protein fragment of Human COL12A1                                                                                                                                                                 |
| Amino Acid Sequence      | Recombinant Protein Epitope Signature Tag (PrEST) antigen sequence:<br>VTTPPNQRRRTLENLIPDTKYEVSVIPEYFSGPGTPLTGNAATEEVRGNP<br>RDLRVSDPTTSTMKLSWSGAPGKVKQYLVITYTPVAGGETQEVTVRGDTTN<br>TVLQGLKEGTQYALSVTALYASGAG |
| Fusion Tag               | N-terminal His <sub>6</sub> ABP (ABP = Albumin Binding Protein derived from Streptococcal Protein G)                                                                                                          |
| Expression Host          | <i>E. coli</i>                                                                                                                                                                                                |
| Purification             | IMAC purification                                                                                                                                                                                             |
| Predicted MW             | 31 kDa including tags                                                                                                                                                                                         |
| Usage                    | Suitable as control in WB and preadsorption assays using indicated corresponding antibodies.                                                                                                                  |
| Purity                   | >80% by SDS-PAGE and Coomassie blue staining                                                                                                                                                                  |
| Buffer                   | PBS and 1M Urea, pH 7.4.                                                                                                                                                                                      |
| Unit Size                | 100 µl                                                                                                                                                                                                        |
| Concentration            | Lot dependent                                                                                                                                                                                                 |
| Storage                  | Upon delivery store at -20°C. Avoid repeated freeze/thaw cycles.                                                                                                                                              |
| Notes                    | Gently mix before use. Optimal concentrations and conditions for each application should be determined by the user.                                                                                           |

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