

## Recombinant Human MUC4 Protein, GST-tagged

**Cat. No.** MUC4-5750H    **Lot. No.** (See product label)

### SPECIFICATION

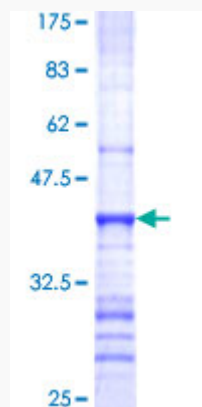
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Product Overview</b> | Human MUC4 partial ORF ( NP_004523, 79 a.a. - 188 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | <p>The major constituents of mucus, the viscous secretion that covers epithelial surfaces such as those in the trachea, colon, and cervix, are highly glycosylated proteins called mucins. These glycoproteins play important roles in the protection of the epithelial cells and have been implicated in epithelial renewal and differentiation. This gene encodes an integral membrane glycoprotein found on the cell surface, although secreted isoforms may exist. At least two dozen transcript variants of this gene have been found, although for many of them the full-length transcript has not been determined or they are found only in tumor tissues. This gene contains a region in the coding sequence which has a variable number (&gt;100) of 48 nt tandem repeats.</p> <p>[provided by RefSeq]</p> |
| <b>Molecular Mass</b>   | 37.84 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | GVSLFPYGADAGDLEFVRRRTVDFTSPLFKPATGFPLGSSLRDSLYFTDNGQIIFPESD<br>YQIFSYPNPLPTGFTGRDPVALVAPFWDDADFSTGRGTTFYQEYETFYGEHS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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|                         |                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | Antibody Production<br>Protein Array                                                                                                                                                                  |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                              |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                              |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                       |
| <b>Gene Name</b>        | MUC4 mucin 4, cell surface associated [ Homo sapiens ]                                                                                                                                                |
| <b>Official Symbol</b>  | MUC4                                                                                                                                                                                                  |
| <b>Synonyms</b>         | MUC4; mucin 4, cell surface associated; mucin 4, tracheobronchial; mucin-4; testis mucin; tracheobronchial mucin; ascites sialoglycoprotein; pancreatic adenocarcinoma mucin; ASGP; MUC-4; HSA276359; |
| <b>Gene ID</b>          | 4585                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>      | NM_004532                                                                                                                                                                                             |
| <b>Protein Refseq</b>   | NP_004523                                                                                                                                                                                             |
| <b>MIM</b>              | 158372                                                                                                                                                                                                |
| <b>UniProt ID</b>       | Q99102                                                                                                                                                                                                |

**Quality Control****Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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