

Recombinant Human MUC15, His-tagged

Cat. No. MUC15-149H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Mucin-15/MUC15 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Lys24-Thr236) of Human MUC15 fused with a 6His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	24-236 a.a.
Description	Mucin-15 is a single-pass type I membrane protein member of the Mucin family. Mucins are a family of high molecular weight, heavily glycosylated proteins (glycoconjugates) produced by epithelial tissues in most metazoans. A key characteristic of Mucins is their ability to form gels. Therefore they are a key component in most gel-like secretions, serving functions from lubrication to cell signalling to forming chemical barriers. Mucin-15 is expressed in many tissues. Mucin-15 is highly glycosylated (N- and O-linked carbohydrates). Mucin-15 may play a role in the cell adhesion to the extracellular matrix.
AA Sequence	KENQDINTTQNI AEVFKTMENKPISLESEANLNSDKENITTSNLKASHSPPLNLPNNS HGITDFS SNSSAEHSLGSLKPTSTISTSPPLIHSFVSKVPWNAPIADEDLLPISAH PNA TPALSSSENFTWSL VNDTVKTPDNSSITVSILSSEPTSPSVTPLIVEPSGWLT TNSDSF TGFIPYQEKTTLQPTLKFTN NSKLFPNTSDPQKENRNTVDHHHHHH
Endotoxin	Less than 0.1

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ng/μg (1 IEU/μg).

Purity

Greater than 95% as determined by reducing SDS-PAGE.

GENE INFORMATION

Gene Name

MUC15 mucin 15, cell surface associated [Homo sapiens]

Official Symbol

MUC15

Synonyms

MUC15; mucin 15, cell surface associated; mucin-15; PAS3; MUC-15; PASIII;

Gene ID

143662

mRNA Refseq

NM_001135091

Protein Refseq

NP_001128563

MIM

608566

UniProt ID

Q8N387

**Chromosome
Location**

11p14.3

Pathway

Metabolism of proteins, organism-specific biosystem; O-linked glycosylation of mucins, organism-specific biosystem; Post-translational protein modification, organism-specific biosystem; Termination of O-glycan biosynthesis, organism-specific biosystem;

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