

Product datasheet for **TP762406**

CA125 (MUC16) (NM_024690) Human Recombinant Protein

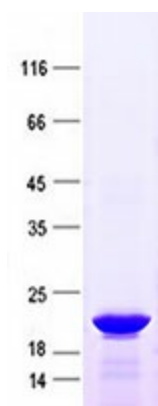
Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human mucin-16(CA125), with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	1 MHHHHHHENL YFQGAAGHT EPGPLLIPFT FNFTITNLHY EENMQHPGSR KFNTTERVLQ 61 GLLKPLFKNT SVGPLYSGCR LTLLRPEKHE AATGVDTICT HRVDPGPGGL DRERLYWELS 121 QLTNSITELG PYTLDRDSLY VNGFNPRSSV PTTSTPGTST VHLATSGTPS SLPTR
Tag:	N-His
Predicted MW:	17.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	>80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_078966
Locus ID:	94025
UniProt ID:	Q8WXI7
Cytogenetics:	19p13.2
Synonyms:	CA125


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Summary:

This gene encodes a protein that is a member of the mucin family. Mucins are high molecular weight, O-glycosylated proteins that play an important role in forming a protective mucous barrier, and are found on the apical surfaces of the epithelia. The encoded protein is a membrane-tethered mucin that contains an extracellular domain at its amino terminus, a large tandem repeat domain, and a transmembrane domain with a short cytoplasmic domain. The amino terminus is highly glycosylated, while the repeat region contains 156 amino acid repeats unit that are rich in serines, threonines, and prolines. Interspersed within the repeats are Sea urchin sperm protein Enterokinase and Agrin (SEA) modules, leucine-rich repeats and ankyrin (ANK) repeats. These regions together form the ectodomain, and there is a potential cleavage site found near an SEA module close to the transmembrane domain. This protein is thought to play a role in forming a barrier, protecting epithelial cells from pathogens. Products of this gene have been used as a marker for different cancers, with higher expression levels associated with poorer outcomes. [provided by RefSeq, May 2017]

Product images:


Purified recombinant protein CA125 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.