

### Recombinant Human Cytokeratin 20 protein ab211958

#### 製品の詳細

製品名	Recombinant Human Cytokeratin 20 protein
精製度	> 90 % SDS-PAGE. Expressed in E. coli as inclusion bodies, refolded using temperature shift inclusion body refolding technology, chromatographically purified and sterile-filtered.
発現系	Escherichia coli
アクセッション番号	<b><u>P35900</u></b>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	<p>MASMTGGQQMGRGHHHHHHGNLYFQGEFDFSRRSFHRSLSST</p> <p>LQAPVVST</p> <p>VGMQRLGTTTPSVYGGAGGRGIRISNSRHTVNYGSDLTGGGDL</p> <p>FVGNEKMA</p> <p>MQNLNDRLASYLEKVRTLEQSNKLEVQIKQWYETNAPRAGR</p> <p>DYSAYYRQ</p> <p>IEELRSQIKDAQLNARCVLQIDNAKLAEDFRLKYETERGI</p> <p>RLTVEADL</p> <p>QGLNKVFDDLTLHKTDLEIQIEELNKDLALLKKEHQEEVDGL</p> <p>HKHLGNTV</p> <p>NVEVDAAPGLNLGVIMNEMRQKYEVMAQKNLQEAKEQFERQT</p> <p>AVLQQQVT</p> <p>VNTEELKGTEVQLTELRRTSQSLEIELQSHLSMKESLEHTLE</p> <p>ETKARYSS</p> <p>QLANLQSLSSLEAQLMQIRSNMERQNNEYHILLDIKTRLEQ</p> <p>EIATYRRL</p> <p>LEGEDVKTTEYQLSTLEERDIKKTRIKTVVQEVDGKVVSS</p> <p>EVKEVEEN I</p>
予測される分子量	52 kDa including tags
領域	2 to 424
配列の追加情報	Constructed with codon optimization and expressed with a small T7-His-TEV cleavage site Tag (29aa) fusion at its N-terminal. (NP_061883).

#### 特性

Our **Abpromise guarantee** covers the use of **ab211958** in the following tested applications.

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

アプリケーション	SDS-PAGE
製品の状態	Liquid
備考	ab211958 may be used for <i>in vitro</i> Cytokeratin 20 mediated cellular cytoskeletal polymerization regulation study for cell stress induced apoptosis by intracellular delivery of this protein; it may be used for mapping PTP4A3 protein-protein interaction; as potential biomarker protein for clinical applications such as monitoring various cancer progression by measuring tissue sample Cytokeratin 20 protein expression level; as antigen for specific antibody production.

#### 前処理および保存

保存方法および安定性	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -80°C. pH: 8.00 Constituent: 0.32% Tris HCl  Contains NaCl, KCl, EDTA, Sucrose and DTT.
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#### 関連情報

機能	Plays a significant role in maintaining keratin filament organization in intestinal epithelia. When phosphorylated, plays a role in the secretion of mucin in the small intestine.
組織特異性	Expressed predominantly in the intestinal epithelium. Expressed in luminal cells of colonic mucosa. Also expressed in the Merkel cells of keratinized oral mucosa; specifically at the tips of some rete ridges of the gingival mucosa, in the basal layer of the palatal mucosa and in the taste buds of lingual mucosa.
配列類似性	Belongs to the intermediate filament family.
発生段階	First detected at embryonic week 8 in individual 'converted' simple epithelial cells of the developing intestinal mucosa. In later fetal stages, synthesis extends over most goblet cells and a variable number of villus enterocytes. In the developing gastric and intestinal mucosa, expressed in all enterocytes and goblet cells as well as certain 'low-differentiated' columnar cells, whereas the neuroendocrine and Paneth cells are negative.
翻訳後修飾	Hyperphosphorylation at Ser-13 occurs during the early stages of apoptosis but becomes less prominent during the later stages. Phosphorylation at Ser-13 also increases in response to stress brought on by cell injury. Proteolytically cleaved by caspases during apoptosis. Cleavage occurs at Asp-228.
細胞内局在	Cytoplasm.

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

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