

***PRSS1* c.65A>G p.D22G**

Citations: **Recommended primary citations**

- Teich N, Ockenga J, Hoffmeister A, Manns M, Mössner J, Keim V. (2000) **Chronic pancreatitis associated with an activation peptide mutation that facilitates trypsin activation.** [Gastroenterology 119, 461-465](#)
- Schubert S, Traub F, Brakensiek K, von Kopylow K, Marohn B, Maelzer M, Gaedcke J, Kreipe H, Stuhmann M. (2014) ***CFTR*, *SPINK1*, *PRSS1*, and *CTRC* mutations are not associated with pancreatic cancer in German patients.** [Pancreas 43, 1078-1082](#)
Likely overlap with Teich et al. (2000)

Functional studies:

- Teich N, Ockenga J, Hoffmeister A, Manns M, Mössner J, Keim V. (2000) **Chronic pancreatitis associated with an activation peptide mutation that facilitates trypsin activation.** [Gastroenterology 119, 461-465](#)
- Teich N, Bödeker H, Keim V. (2002) **Cathepsin B cleavage of the trypsinogen activation peptide.** [BMC Gastroenterol 2, 16](#)
- Chen JM, Kukor Z, Le Maréchal C, Tóth M, Tsakiris L, Raguénès O, Férec C, Sahin-Tóth M. (2003) **Evolution of trypsinogen activation peptides.** [Mol Biol Evol 20, 1767-1777](#)
- Gaiser S, Ahler A, Gundling F, Kruse ML, Savkovic V, Selig L, Teich N, Tomasini R, Dagorn JC, Mössner J, Keim V, Bödeker H. (2005) **Expression of mutated cationic trypsinogen reduces cellular viability in AR4-2J cells.** [Biochem Biophys Res Commun 334, 721-728](#)
- Mikhailova AG, Likhareva VV, Teich N, Rumsh LD. (2007) **The ways of realization of high specificity and efficiency of enteropeptidase.** [Protein Pept Lett 14, 227-232](#)
- Kereszturi E, Sahin-Tóth M. (2009) **Intracellular autoactivation of human cationic trypsinogen mutants causes reduced trypsinogen secretion and acinar cell death.** [J Biol Chem 284, 33392-33399](#)
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- Geisz A, Hegyi P, Sahin-Tóth M. (2013) **Robust autoactivation, chymotrypsin C independence and diminished secretion define a subset of hereditary pancreatitis-associated cationic trypsinogen mutants.** [FEBS J 280, 2888-2899](#)