

CTRC **c.217G>A** **p.A73T**

Citations:

Recommended primary citations

Note that Masson et al. reported the same subject in their two publications

- Rosendahl J, Witt H, Szmola R, Bhatia E, Ózsvári B, Landt O, Schulz HU, Gress TM, Pfützer R, Löhr M, Kovacs P, Blüher M, Stumvoll M, Choudhuri G, Hegyi P, te Morsche RH, Drenth JP, Truninger K, Macek M Jr, Puhl G, Witt U, Schmidt H, Büning C, Ockenga J, Kage A, Groneberg DA, Nickel R, Berg T, Wiedenmann B, Bödeker H, Keim V, Mössner J, Teich N, Sahin-Tóth M. (2008) **Chymotrypsin C (CTRC) variants that diminish activity or secretion are associated with chronic pancreatitis.** [Nat Genet 40, 78-82](#)
- Masson E, Chen JM, Scotet V, Le Maréchal C, Férec C. (2008) **Association of rare chymotrypsinogen C (CTRC) gene variations in patients with idiopathic chronic pancreatitis.** [Hum Genet 123, 83-91](#)
- Derikx MH, Szmola R, te Morsche RH, Sunderasan S, Chacko A, Drenth JP. (2009) **Tropical calcific pancreatitis and its association with CTRC and SPINK1 (p.N34S) variants.** [Eur J Gastroenterol Hepatol 21, 889-894](#)
- Paliwal S, Bhaskar S, Mani KR, Reddy DN, Rao GV, Singh SP, Thomas V, Chandak GR. (2013) **Comprehensive screening of chymotrypsin C (CTRC) gene in tropical calcific pancreatitis identifies novel variants.** [Gut 62, 1602-1606. Epub 2012 May 12](#)
- Masson E, Chen JM, Audrézet MP, Cooper DN, Férec C. (2013) **A conservative assessment of the major genetic causes of idiopathic chronic pancreatitis: Data from a comprehensive analysis of PRSS1, SPINK1, CTRC and CFTR Genes in 253 young French patients.** [PLoS One 8, e73522](#)
- LaRusch J, Lozano-Leon A, Stello K, Moore A, Muddana V, O'Connell M, Diergaard B, Yadav D, Whitcomb DC. (2015) **The common chymotrypsinogen C (CTRC) variant G60G (C.180T) increases risk of chronic pancreatitis but not recurrent acute pancreatitis in a North American population.** [Clin Transl Gastroenterol 6, e68](#)

Functional studies:

- Rosendahl J, Witt H, Szmola R, Bhatia E, Ózsvári B, Landt O, Schulz HU, Gress TM, Pfützer R, Löhr M, Kovacs P, Blüher M, Stumvoll M, Choudhuri G, Hegyi P, te Morsche RH, Drenth JP, Truninger K, Macek M Jr, Puhl G, Witt U, Schmidt H, Büning C, Ockenga J, Kage A, Groneberg DA, Nickel R, Berg T, Wiedenmann B, Bödeker H, Keim V, Mössner J, Teich N, Sahin-Tóth M. (2008) **Chymotrypsin C (CTRC) variants that diminish activity or secretion are associated with chronic pancreatitis.** [Nat Genet 40, 78-82](#)

- Szmola R, Sahin-Tóth M. (2010) **Pancreatitis-associated chymotrypsinogen C (CTRC) mutant elicits endoplasmic reticulum stress in pancreatic acinar cells.** [Gut 59, 365-732](#)
- Beer S, Zhou J, Szabó A, Keiles S, Chandak GR, Witt H, Sahin-Tóth M. (2013) **Comprehensive functional analysis of chymotrypsin C (CTRC) variants reveals distinct loss-of-function mechanisms associated with pancreatitis risk.** [Gut 62, 1616-1624. Epub 2012 September 1](#)
- Binker MG, Richards D, Gaisano HY, Cosen-Binker LI. (2015) **ER stress-associated CTCRC mutants decrease stimulated pancreatic zymogen secretion through SIRT2-mediated microtubule dysregulation.** *Biochem Biophys Res Commun* 463, 329-35