

32-7766: Recombinant Human Tripeptidyl-Peptidase I/TPP1 (C-6His)

Gene : TPP1
Gene ID : 1200
Uniprot ID : O14773

Description

Source: Human Cells.
MW :60.35kD.

Recombinant Human Tripeptidyl-Peptidase I is produced by our Mammalian expression system and the target gene encoding Ser20-Pro563 is expressed with a 6His tag at the C-terminus. Tripeptidyl-Peptidase 1 (TPP1) belongs to the peptidase S53 family. TPP1 is detected in all tissues examined with highest levels in heart and placenta and relatively similar levels in other tissues. TPP1 is lysosomal serine protease with tripeptidyl-peptidase I activity. TPP1 may act as a non-specific lysosomal peptidase which generates tripeptides from the breakdown products produced by lysosomal proteinases. TPP1 requires substrates with an unsubstituted N-terminus. TPP1 mutations have also been shown to cause neuronal ceroid lipofuscinosis type 2 (CLN2).

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl,150mM NaCl,1mM GaCl₂,10%Glycerol,pH7.5.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : SYSPEPDQRRTLPPGWVSLGRADPEEELSILTFALRQQNVERLSELVQAVSDPSSPQYGKYLTLLENVADLVRPSP
LTLHTVQKWLLAAGAQQKCHSVITQDFLTCWLSIRQAELLPLGAEFHYYVGGPTETHVVRSPHPYQLPQALAPHV
DFVGGGLHRFPPTSSLRQRPEPQVTGTVGLHLGVTPSVIRKRYNLTSQDVGSGTNNNSQACAQFLEQYFHSDSL
AQFMRLFGGNFAHQASVARVVGQQGRGRAGIEASLDVQYLSAGANISTWVYSSPGRHEGQEPFLQWLMLL
SNESALPHVHTVSYGDDDSLSSAYIQRVNTLMKAAARGLTLLFASGDSGAGCWSVSGRHEFRPTFPASSPY
VTTVGGTSFQEPFLITNEIVDYISGGGFSNVFPRPSYQEEAVTKFLSSPHLPPSSYFNASGRAYPDVAALSDGY
WVNSNRVPIPWVSGTSASTPVFGGILSLINEHRILSGRPPLGFLNPRLYQQHGAGLFDVTRGCHESCLDEEVEG
QGFCSPGWDPVTGWGTPNFPALLKTLNLPVDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.