

Human Carbonic Anhydrase XII protein, His tag (active)

Cat. No. GTx66937-pro

Applications	Functional Assay	Package
Species	Human	50 µg

Applications

Application Note

Specific activity is > 300 pmol/min/µg, and is defined as the amount of enzyme that hydrolyze 1.0 pmole of 4-nitrophenyl acetate to 4-nitrophenol per minute at pH 7.5 at 37°C.

Observed MW (kDa) 28-40 kDa.

Properties

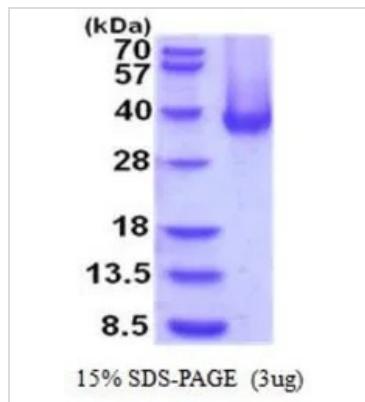
Form	Liquid
Buffer	PBS, 10% Glycerol
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	0.5 mg/ml (Please refer to the vial label for the specific concentration.)
Region/Sequence	C-terminal His-Tag; Length: 283 a.a. Sequence: APVNGSKWTY FGPDGENWS KKYPSCGGLL QSPIDLHSI LQYDASLTPL EFQGYNLSAN KQFLTNNGH SVKLNLPSDM HIQQLQSRYS ATQLHLHWGN PNDPHGSEHT VSGQHFAAEL HIVHYNSDLY PDASTASNKS EGLAVLAVLI EMGSFNPSYD KIFSHLQHVK YKGQEAFVPG FNIEELLPER TAEYYRYRGTS LTPPCNPTV LWTVFRNPVQ ISQEQLLAE TALYCTHMDD PSPREMINNF RQVQKFDERL VYTSFSQVQV CTAAGLSHHH HHH
Expression System	Baculovirus
Purity	> 90% by SDS-PAGE.
Endotoxin	< 1.0 EU/µg (determined by LAL method)
Conjugation	Unconjugated
Note	For In vitro laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.



For full product information, images and publications, please visit our [website](#).

Date 2026 / 01 / 30 Page 1 of 2

DATA IMAGES



GTx66937-pro Image

3 µg of GTx66937-pro Human Carbonic Anhydrase XII protein (active) by SDS-PAGE under reducing condition and visualized by coomassie blue stain



For full product information, images and publications, please visit our [website](#).

Date 2026 / 01 / 30 Page 2 of 2