

Human Carbonic Anhydrase 2 (CA2) Enzyme (Active)

Catalogue No.: abx073561

Human Carbonic Anhydrase 2 Enzyme is a recombinant enzyme expressed in E. coli.

Target: Carbonic Anhydrase 2 (CA2)

Origin: Human

Expression: Recombinant

Tested Applications: SDS-PAGE

Host: E. coli

Recommended dilutions: Optimal dilutions/concentrations should be determined by the end user.

Form: Liquid

Purity: > 95% (SDS-PAGE)

Purification: Purified by proprietary chromatographic techniques.

Storage: Store at 4 °C if the entire vial will be used within 4 weeks. Store at -20 °C for long term storage. For long term storage, it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P00918 ([UniProt](#), [ExPASy](#))

KEGG: hsa:760

String: [9606.ENSP00000285379](#)

Molecular Weight: 29.2 kDa

Sequence Fragment: 1-260 AA.

Sequence: MSHHWGYGKH NGPEHWHKDF PIAKGERQSP VDIHTHTAKY DPSLKPLSVS YDQATSLRIL
NNGHAFNVEF DDSQDKAVLK GGPLDGTYRL IQFHFHWGSL DGQGSEHTVD KKKYAAELHL
VHWNTKYGDF GKAVQQPDGL AVLGIFLKVG SAKPGLQKVV DVLDSIKTKG KSADFTNFD
RGLLPESLDY WTYPGSLTTP PLLECVTWIV LKEPISVSSE QVLKFRKLN NGEGEPEELM
VDNWRPAQPL KNRQIKASFK

Buffer: 20 mM Tris-HCl buffer, pH 8.0, containing 1 mM DTT, 50 mM NaCl and 10% glycerol.

Datasheet

Version: 5.0.0

Revision date: 21 May 2025



Activity: Active

Biological Activity: Specific Activity: > 7000 pmol/min/μg
The specific activity is the amount of enzyme required to hydrolyze 1.0 pmol of 4-nitrophenyl acetate to 4-nitrophenol per minute at pH 8.0 at 37 °C.

Concentration: 1 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only