

# Product Datasheet

## Recombinant Human Carbonic Anhydrase XII/CA12 Protein NBP2-52127-0.05mg

Unit Size: 0.05 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 6/5/2019 v.20.1

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**NBP2-52127-0.05mg****Recombinant Human Carbonic Anhydrase XII/CA12 Protein**

<b>Product Information</b>	
<b>Unit Size</b>	0.05 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Preservative</b>	No Preservative
<b>Purity</b>	>90%, by SDS-PAGE
<b>Buffer</b>	PBS (pH 7.4), 10% glycerol
<b>Target Molecular Weight</b>	31.94 kDa
<b>Product Description</b>	
<b>Description</b>	<p>A bioactive recombinant protein with a C-Terminal His-tag and corresponding to the amino acids 25-301 of Human Carbonic Anhydrase XII/CA12</p> <p><b>Source:</b> <i>Baculovirus</i></p> <p><b>Amino Acid Sequence:</b> APVNGSKWTY FGPDGENSW S KKYPSCGGLL QSPIDLHSDI LQYDASLTPL EFQGYNLSAN KQFLLTNNGH SVKLNLPSDM HIQGLQSRYS ATQLHLHWGN PNDPHGSEHT VSGQHFAAEL HIVHYNSDLY PDASTASNKS EGLAVLAVLI EMGSFNPSYD KIFSHLQHV K YKGQEA FVPG FNIEELLPER TAEYYRYRGS LTTTPCNPTV LWTVFRNPVQ ISQEQLLALE TALYCTHMDD PSPREMINNF RQVQKFDERL VYTSFSQVQV CTAAGLSHHH HHH</p>
<b>Gene ID</b>	771
<b>Gene Symbol</b>	CA12
<b>Species</b>	Human
<b>Details of Functionality</b>	Specific activity is > 300 pmol/min/ug, 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 37C.
<b>Endotoxin Note</b>	< 1.0 EU per 1 microgram of protein (determined by LAL method)
<b>Product Application Details</b>	
<b>Applications</b>	Functional, SDS-Page, Bioactivity
<b>Recommended Dilutions</b>	Functional, SDS-Page, Bioactivity



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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 1 year from date of receipt.

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