



# Recombinant *Synechococcus elongatus* Proton extrusion protein PcxA (pcxA)

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| <b>Product Code</b>      | CSB-CF654639FPY  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | Q31PJ8   |
| <b>Product Type</b>      | Transmembrane Protein  |
| <b>Immunogen Species</b> | <i>Synechococcus elongatus</i> (strain PCC 7942) ( <i>Anacystis nidulans</i> R2)   |
| <b>Sequence</b>          | MAFFAGISDWVAQRLQRNSETARLDLERAYEAALYITALETEYASGRSLRRLP<br>SQLSARQ<br>QTSLQAE LRQTLRSLRHRYRQRYRRHQPVQLQAGLALGRPGMGMPTIAHEK LQ<br>LIEQVLAR<br>YGQPTVHSSNPDDSQLMTSKNNSKVPDPESDDEYLISQTSFLPRSIFGAFAD<br>LRQQLDP<br>KAEDQIVQNFRSRKGTKLIALRFVLLLVLVPLL TQQISKSFIVGPIVDRLRSQDPE<br>AIFL<br>NFMEEEEAFVKLNQYQQLLRFQHYLEAPPLTEAEIDERVREKAE EIAVEYRQ<br>ESSNAIK<br>NIFADLISAAFAILLISSQEEIQLLKS FIDEVYGISDSAKAFI IILFTDIFVGFHSPH<br>GWEVILESISRHFGIPENRSFIFLFIATFPVILDTIFKYWIFRYLNRISPSAVATYRN<br>M N E |
| <b>Source</b>            | in vitro <i>E.coli</i> expression system   |
| <b>Target Names</b>      | pcxA   |
| <b>Protein Names</b>     | Recommended name: Proton extrusion protein PcxA  |
| <b>Expression Region</b> | 1-421  |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | full length protein  |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.   |