



Gene Synthesis Optimization Request



BBI ID (OFFICE USE ONLY)	
Customer ID	iGEM high school Cochrane
Size	1058
Intended Species	E.coli - Top10 (K12)
Cloning Sites To REMOVE	No additional EcoRI, NotI, XbaI, BamHI, SpeI, and PstI sites can be introduced. Please remove current PstI sequences in this protein sequence.
Cloning Sites To INCLUDE	Sites coded in the highlighted DNA sequence on the DNA work order must NOT be removed (EcoRI, XbaI, SpeI, PstI, NotI)
Memo Flanking Sequences	Sequence name: PcChia1-1 Protein sequence corresponds to the UNHIGHLIGHTED sequence in the DNA work order. Synthesized DNA sequence must ALSO include highlighted DNA sequence, however this highlighted sequence CAN NOT BE OPTIMIZED and currently encoded cutsites in the highlighted DNA sequence MUST remain.

Paste Amino Acid Sequence Here

MKSMKFSAMAIALLLTMATMNLVYFVSAEQCGQAGGALCPGGLCCSKWGWCGNTDAHCGQDCQSQC GGSTP
TPPSPTPGGQGVASIIITESIFNELLKHRMDAGCKASGFYTYSAFLAAANAFSTGTTGDVATRKRELA AF
FGQTSHETTGGWATAPDGAYAWGYCFKEEQGNPPALYCOATSQWPCASGKRYYCRGPVQLSWNYNYGPAG
KAIGFDGINNPDIVASDATVSFKTALWFWMTAQSPKPSCHDVMTGKWTPSGSDSAAGRAAGYGAVTNIIN
GGLECGKGSDSRQQDRIGFYKRYSDLLGVSYGSNLDCCNNQRFPGAAYOSEARLIKTVV

