

OMM Impact Summarization

| PMID 10860737 | |
|---------------|---|
| Mutation | Impacts |
| N35D | As predicted from sequence comparisons, substitution of this asparagine residue with an aspartic acid residue (N35D BCX) shifts its pH optimum from 5.7 to 4.6, with an 20 % increase in activity. . . |
| PMID 8855954 | |
| Mutation | Impacts |
| E123A | Mutation of a third conserved active site carboxylic acid (E123A) resulted in rate reductions of up to 1500-fold on poorer substrates,... |
| E127A | Elimination of the acid/base catalyst (E127A) yields a mutant for which the deglycosylation step is slowed some 200-300-fold as a consequence of removal of general base catalysis, but with little effect on the transition state structure... |
| ... | ... |



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