

## Recombinant AmCyan-Tag protein, His

Catalog Number: bs-33184P

Concentration: >0.5 mg/ml

AA Seq: 1-234/234

Predicted MW: 25

Tags: His

Activity: Not tested

Endotoxin: Not analyzed

Purity: >95% as determined by SDS-PAGE

Purification: AC

Form: Lyophilized or Liquid

Storage: 20mM Tris-HCl (pH=9.0) with 8M Urea and 1mM DTT.

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

**Background:** AmCyan1 is a human codon-optimized variant of the wild-type Anemonia majano cyan fluorescent protein (AmCyan) that exhibits enhanced emission characteristics (excitation and emission maxima: 458nm and 489nm, respectively). DD-AmCyan1 is a modified version of AmCyan1 that is tagged on its N-terminus with the ProteoTuner destabilization domain (DD). The presence of this destabilization domain causes rapid, proteasomal degradation of the fluorescent fusion protein; however, when the membrane permeant ligand Shield1 is added to the medium, it binds to the destabilization domain and protects the fusion protein from degradation.

### VALIDATION IMAGES



The purity of the protein is greater than 90% as determined by reducing SDS-PAGE.