

Recombinant Adenylate Cyclase 5 (ADCY5) Instruction Manual

SIPB395Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Membrane, Chromosome
Predicted Molecular Mass	28.4kDa
Accurate Molecular Mass	28kDa(Analysis of differences refer to the manual)
Residues & Tags	Gly167~Glu385 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	7.0
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

```
          GDCY YCVSGLPEAR ADHAHCCVEM GMDMIEAISL  
VREVTGVNVN MRVGIHSGRV HCGVLGLRKW QFDVWSNDVT LANHMEAGGK  
AGRIHITKAT LNYLNGDYEV EPGCGGERNA YLKEHSIETF LILRCTQKRK  
EEKAMIAKMN RQRTNSIGHN PPHWGAERPF YNHLGGNQVS KEMKRMGFED  
PKDKNAQESA NPEDEVDFL GRAIDARSID RLRSE
```

USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL.
Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

