

# Recombinant Aequorea victoria Green fluorescent protein

Catalog No: #AP72926

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

Package Size: #AP72926-1 20ug #AP72926-2 100ug #AP72926-3 1mg

## Description

Product Name	Recombinant Aequorea victoria Green fluorescent protein
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-238aaSequence Info:Full Length
Accession No.	P42212
Uniprot	P42212
Calculated MW	28.9 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MSKGEELFTGVVPILVELDGDVNGHKFSVSGEGEGDATYGKLTCLKICTTGKLPVPWPTLVTTFSYGVQCFSR YPDHMKQHDFFKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTLVNRIELKGIDFKEDGNILGHKLEYNYN SHNVYIMADKQKNGIKVNFKIRHNIEDGSQLADHYQQNTPIGDGPVLLPDNHYLSTQSALSQKDPNEKRDMV LLEFVTAAGITHGMDELYK
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Energy-transfer acceptor. Its role is to transduce the blue chemiluminescence of the protein aequorin into green fluorescent light by energy transfer. Fluoresces in vivo upon receiving energy from the Ca<sup>2+</sup>-activated photoprotein aequorin.

## References

"A molecular thermometer based on fluorescent protein blinking."Wong F.H., Banks D.S., Abu-Arish A., Fradin C.J. Am. Chem. Soc. 129:10302-10303(2007)Research Topic:Others

Note: This product is for in vitro research use only