

Recombinant Aequorea victoria Green fluorescent protein(GFP)

Catalog No: #AP71069

Package Size: #AP71069-1 20ug #AP71069-2 100ug #AP71069-3 1mg

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Description

Product Name	Recombinant Aequorea victoria Green fluorescent protein(GFP)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-238aaSequence Info:Full Length
Accession No.	P42212
Calculated MW	30.9 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MSKGEELFTGVVPILVELDGDVNGHKFSVSGEGEGDATYGKLTCLKICTTGKLPVPWPTLVTTFSYGVQCFSR YPDHMKQHDFFKSAMPEGYVQERTIFFKDDGNYKTRAEVKFEGDTLVNRIELKGIDFKEDGNILGHKLEYNYN SHNVYIMADKQKNGIKVNFKIRHNIEDGSVQLADHYQQNTPIGDPVLLPDNHYLSTQSALS KDPNEKRDHNV 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 Ca²⁺-activated photoprotein aequorin.

References

"Aequorea green fluorescent protein. Expression of the gene and fluorescence characteristics of the recombinant protein."

Inouye S., Tsuji F.I.

FEBS Lett. 341:277-280(1994)Research Topic:Tags & Cell Markers

Note: This product is for in vitro research use only and is not intended for use in humans or animals.