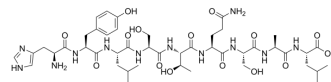


Enhanced Green Fluorescent Protein (EGFP) (200-208)

Cat. No.:	HY-P2528
CAS No.:	323198-39-6
Molecular Formula:	C ₄₅ H ₇₀ N ₁₂ O ₁₅
Molecular Weight:	1019.11
Sequence:	His-Tyr-Leu-Ser-Thr-Gln-Ser-Ala-Leu
Sequence Shortening:	HYLSTQSAL
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Sealed storage, away from moisture and light, under nitrogen
	Powder -80°C 2 years
	-20°C 1 year



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 45 mg/mL (44.16 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.9812 mL	4.9062 mL	9.8125 mL
	5 mM	0.1962 mL	0.9812 mL	1.9625 mL
	10 mM	0.0981 mL	0.4906 mL	0.9812 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Enhanced Green Fluorescent Protein (EGFP) (200-208) is a marker gene product derived from the jellyfish *Aequorea Victoria*. Enhanced Green Fluorescent Protein (EGFP) (200-208) is a common reporter protein and is easy to detect^[1].

REFERENCES

[1]. J Steitz, et al. Balb/c EGFP mice are tolerant against immunization utilizing recombinant adenoviral-based vectors encoding EGFP: a novel model for the study of tolerance mechanisms and vaccine efficacy. *Mol Immunol.* 2010 Feb;47(5):1149-53.

Caution: Product has not been fully validated for medical applications. For research use only.

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