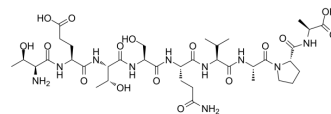


Rhodopsin Epitope Tag

Cat. No.:	HY-P1509
CAS No.:	102099-07-0
Molecular Formula:	C ₃₇ H ₆₂ N ₁₀ O ₁₆
Molecular Weight:	902.95
Sequence:	Thr-Glu-Thr-Ser-Gln-Val-Ala-Pro-Ala
Sequence Shortening:	TETSQVAPA
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture and light
	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)

SOLVENT & SOLUBILITY

In Vitro

H₂O : 12.5 mg/mL (13.84 mM; Need ultrasonic)
 DMSO : 2.86 mg/mL (3.17 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.1075 mL	5.5374 mL	11.0748 mL
	5 mM	0.2215 mL	1.1075 mL	2.2150 mL
	10 mM	0.1107 mL	0.5537 mL	1.1075 mL

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

BIOLOGICAL ACTIVITY

Description

Rhodopsin Epitope Tag is a 9-amino acid peptide localized within the C-terminal region of bovine rhodopsin . Rhodopsin Epitope Tag is widely used as an epitope tag and can be recognized by a number of anti-rhodopsin antibodies.

In Vitro

Rhodopsin Epitope Tag is a 9-amino acid peptide localized within the C-terminal region of bovine rhodopsin . Rhodopsin Epitope Tag is widely used as an epitope tag and can be recognized by a number of anti-rhodopsin antibodies. The specificities of four monoclonal antibodies rho 1D4, 1C5, 3A6, and 3D6 prepared by immunization of rod outer segments containing rhodopsin have been defined using synthetic peptides. All of these antibodies interact within the 18 residues at the COOH terminus of rhodopsin and recognize linear antigenic determinants of 4-11 residues^[1].
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Hodges RS, Heaton RJ, Parker JM, Molday L, Molday RS. Antigen-antibody interaction. Synthetic peptides define linear antigenic determinants recognized by monoclonal antibodies directed to the cytoplasmic carboxyl terminus of rhodopsin. J Biol Chem. 1988;263:11768-11775.

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

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