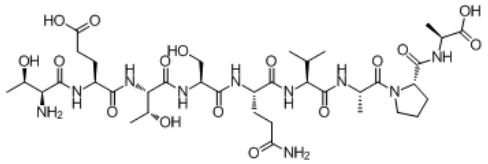
Product Data Sheet

Product Name: Rhodopsin Epitope Tag
Cat. No.: GC34393

Chemical Properties

Cas. No.			
SMILES	Thr-Glu-Thr-Ser-Gln-Val-Ala-Pro-Ala		
Formula	$C_{37}H_{62}N_{10}O_{16}$	M.Wt	902.95
Solubility	Soluble in Water	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

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.

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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].

[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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