

heterotrimeric G-protein GTPase

Cat. No. EXWM-4712

Lot. No. (See product label)

Introduction

Description

This group comprises GTP-hydrolysing systems, where GTP and GDP alternate in binding. This group includes stimulatory and inhibitory G-proteins such as Gs, Gi, Go and Golf, targeting adenylate cyclase and/or K⁺ and Ca²⁺ channels; Gq stimulating phospholipase C; transducin activating cGMP phosphodiesterase; gustducin activating cAMP phosphodiesterase. Golf is instrumental in odour perception, transducin in vision and gustducin in taste recognition. At least 16 different α subunits (39-52 kDa), 5 β subunits (36 kDa) and 12 γ subunits (6-9 kDa) are known.

Product Information

Form Liquid or lyophilized powder

EC Number EC 3.6.5.1

Reaction $\text{GTP} + \text{H}_2\text{O} = \text{GDP} + \text{phosphate}$

Notes This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.