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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Data Sheet

p110 α /p85 α , FLAG-tag

Human, recombinant, FLAG-tag

Catalog #: 40620

Lot #: 150304 **Conc.:** 0.10 mg/ml

Formulated in: 25 mM Tris, pH 8.0, 69 mM NaCl, 1.35 mM KCl, 0.025% Tween-20, 3 mM DTT, and 50% glycerol.

Stability: At least 6 months at -80°C . Avoid freeze/thaw cycles. Storing diluted enzyme is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).

References:

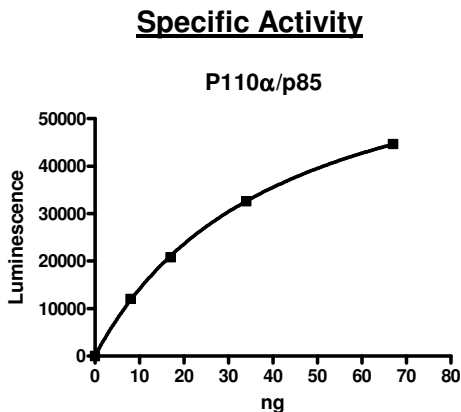
1. Vogt, PK *et al.*, *Virology* **344(1)**:131- (2006)
2. Bader, AG *et al.*, *Nat Rev Cancer* **5(12)**:921-9 (2005)

Description: Complex of N-terminal FLAG-tagged recombinant full-length human p110 α (GenBank Accession No.U79143), and recombinant full length, human p85 α (no tag) (GenBank Accession No. XM_043865). Coexpressed in a Baculovirus infected Sf9 cell expression system. p110 α MW=125 kDa, p85 α MW=84 kDa.

Specific Activity: 1680 pmol/min/ μg .
 A 50 μl kinase reaction is conducted in a buffer containing 40 mM Tris-HCl (pH 7.5), 20 mM MgCl₂, 100 μM ATP, 200 μM L- α -phosphatidylinositol/ L- α -phosphatidylserine (PI/PS) (Avanti, Alabaster, AL), and 20-100 ng enzyme for 30 min at 30 $^{\circ}\text{C}$. ATP reduction is detected using ADP-Glo™ Kinase Assay Platform (Promega Corporation, Madison, WI).

Application: Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

Quality Assurance

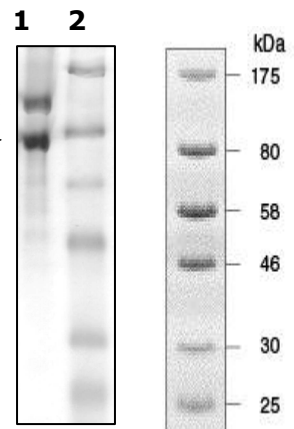


**10% SDS-PAGE
Coomassie staining**

Lane 1: 6.2 μg p110 α /p85 α →

Lane 2: Protein Marker BioLabs (#P7708L) →

MW:
 p110 α : 125 kDa
 p85 α : 84 kDa
Purity: $\geq 80\%$



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