

PDE6D, 1-150aa, Human, His tag, E.coli

Cat.NO.: TP03322

3th Edition

Synonyms:Retinal rod rhodopsin-sensitive cGMP 3',5'-cyclic phosphodiesterase subunit delta, PDED.

Description:Human PDE6D was originally identified as a fourth subunit of rod-specific cGMP phosphodiesterase, PDE6. Catalytically active PDE6 is a heterodimer (??) that is regulated by two inhibitory ? subunits. As PDE6D does not modify the catalytic properties of PDE??, its function is still unresolved. Recombinant human PDE6D, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 1mM DTT, 100mM NaCl

Molecular Weight:18.4 kDa (158aa), confirmed by MALDI-TOF

Sequences:

MSAKDERAREILRGFKLNWMNLRDAETGKILWQGTEDSLVPGVEHEARVPKILKCKAVSRELNFSSTEQMEKFRL
EQKVYFKGQCLEEWFFFEFGFVIPNSTNTWQSLIEAAPESQMMPASVLTGNVVIETKFFDDDLLVSTSRVRLFYVGS
HHHHH

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.