

## Phosphodiesterase 6D cGMP-Specific Rod Delta Human Recombinant

<b>Item Number</b>	rAP-1092
<b>Synonyms</b>	Retinal rod rhodopsin-sensitive cGMP 3',5'-cyclic phosphodiesterase subunit delta, Phosphodiesterase 6D cGMP-Specific Rod Delta, GMP-PDE delta, Protein p17, PDE6D, PDED.
<b>Description</b>	PDE6D produced in E.Coli is a single, non-glycosylated polypeptide chain containing 158 amino acids (1-150 a.a.) and having a molecular mass of 18.4kDa. PDE6D is fused to an 8 amino acids His Tag at C-terminus and purified by proprietary chromatographic techniques.
<b>Uniprot Accession Number</b>	O43924
<b>Amino Acid Sequence</b>	MSAKDERARE ILRGFKLNWM NLRDAETGKI LWQGTEDLSV PGVEHEARVP KKILKCKAVS RELNFSSTEQ MEKFRLEQKV YFKGQCLEEW FFEFGFVIPN STNTWQSLIE AAPESQMMPA SVLTGNVIE TKFFDDDLLV STSRVRLFYV GSHHHHHH.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	The PDE6D protein solution contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 1mM DTT and 100mM NaCl. Greater than 90.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**