

Phosphatase Orphan-2 Human Recombinant

Item Number	rAP-1526
Synonyms	Pyridoxal phosphate phosphatase PHOSPHO2, PHOSPHO2.
Description	PHOSPHO2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 265 amino acids (1-241) and having a molecular mass of 30.3kDa. PHOSPHO2 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q8TCD6
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMKILLV FDFDNTIIDD NSDTWIVQCA PNKKLPIELR DSYRKGFW-TE FMGRVFKYLG DKGVRHEMK RAVTSLPFTP GMVELFNFIR KNKDKFDCII ISDSNSVFDI WVLEAASFHD IFDKVFTNPA AFNSNGHDTV ENYHTHSCNR CPKNLCKKV LIEFVDKQLQ QGVNY-TQIVY IGDGGNDVCP VTFLKNDDVA MPRKGYTLQK TLSRMSQNLE PMEYSVVVWS SGVDIISHLQ FLIKD.
Source	Escherichia Coli.
Physical Appearance and Stability	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.
Formulation and Purity	The PHOSPHO2 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1M NaCl. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	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**