Protein Tyrosine Phosphatase PTPN8/ PTPN22
Human, recombinant protein expressed in E. coli., Active

Cat# CY-E1365

Amount: 50µg (0.69µg/µl)
Lot:

Introduction:
PTPN8/PTPN22 was identified an intracellular phosphatase associated with CSK and GRB2. The Src homology-3 (SH3) domain of these proteins associates with a proline-rich region of PTPN8/PTPN22. Overexpression of PTPN8/PTPN22 in a T-cell line inhibits transcriptional activity initiated by antibodies against T-cell receptor and CD28 costimulatory molecule. Genetic variants in PTPN8/PTPN22 contribute to the development of rheumatoid arthritis.

Product Description:
Phosphatase domain of human PTPN8/PTPN22, containing an N-terminal GST tag, expressed in E. coli. and purified by GSH agarose chromatography.

Gene Information:
The gene accession number is NM_015967.

Gene Aliases:
Protein tyrosine phosphatase non-receptor type 22, PTPN8, PTPN22, LYP, PEP, Lyp1, Lyp2

Formulation:
Recombinant PTPN8/PTPN22 is supplied frozen in a buffer containing 100mM NaCl, 20mM Tris-HCl (pH 7.0), 1mM DTT, 1mM EDTA and 50% glycerol. Use a same buffer for dilution when needed.

Molecular Weight:
Recombinant PTPN8/PTPN22 demonstrates approximately 62 kDa band by SDS-PAGE analysis.
Protein Tyrosine Phosphatase PTPN8/PTPN22
Product Data Sheet
For Research Use Only, Not for use in diagnostic procedures

Specific Activity:
22 units/µg. This unit value is determined at the point of production and may vary with time and various conditions. Specific Activity also varies among production lots.

Unit Definitions:
One unit is defined as the amount of phosphatase required to release 1 pmol of phosphate from CycLex’s PTP substrate-1 per minute at 30°C.

Storage:
Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, AVOID REPEATED HANDLING AND MULTIPLE FREEZE/THAW CYCLES.

Stability:
Unopened vial at -70 °C, for 1 year after delivery.

References:

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