SHP-2, Human Recombinant

CATALOG NO:
P1560-10 10 µg
P1560-50 50 µg

ALTERNATE NAMES: PTPN11, Tyrosine-protein phosphatase non-receptor type 11, Protein-tyrosine phosphatase 1D, PTP-1D, Protein-tyrosine phosphatase 2C, PTP-2C, SH-PTP2, SH-PTP3, BPTP3, CFC, JMML, METCDS, NS1, SHP-2, shp-2, PTP2C, SHPTP2

MOL. WT. 69.1 kDa (His-tag at C-terminus)

SOURCE: HEK 293 cells

PURITY: >90% SDS - PAGE

ENDOTOXIN: < 1 EU per 1ug of protein (determined by LAL method)

FORM: Liquid

FORMULATION: In Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol.

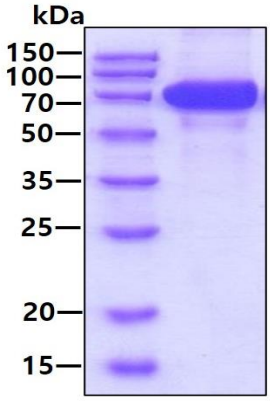
SPECIFIC ACTIVITY: Specific activity is > 400 unit/mg

UNIT DEFINITION: One unit is defined as the amount of enzyme that hydrolyze 1.0 nmole of pnitrophenyl phosphate (pNPP) per minute at pH 7.5 at 37°C.

STORAGE CONDITIONS: Store at 4°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

DESCRIPTION: SHP-2, also known as, tyrosine-protein phospatase non-receptor type 11(PTPN11), is a member of the protein tyrosine phosphatase (PTP) family containing two Src homology 2 domains. This protein dephosphorylation tyrosine residues in proteins. It plays a stimulatory role in the activation of the Erk/MAP kinase pathway by receptor tyrosine kinase signaling. Mutations in this protein are a cause of Noonan syndrome as well as acute myeloid leukemia. Recombinant human SHP-2, fused to His-tag at C-terminus, was expressed in an insect cell and purified by using conventional chromatography techniques.

AMINO ACID SEQUENCE: aa 602 (1-593 aa)



3 µg by SDS-PAGE under reducing condition and stained by coomassie blue stain

RELATED PRODUCTS:

- Human Recombinant AK2 (6386)
- NAD Kinase, human recombinant (7560)
- Human Recombinant PKLR (6373)
- Human Recombinant PKM2 (6372)
- Guanylate kinase, human recombinant (P1101)

FOR RESEARCH USE ONLY! Not to be used on humans.