Shp-2 (human), (recombinant)

Shp-2 is one of two human Src Homology-2 (SH2) containing phosphatases, enzymes in which two regulatory phosphotyrosine binding domains (N-SH2 & C-SH2) lie N-terminal to the catalytic (PTP) domain. In most cases, full activation of the Erk/MAP kinase pathway by receptor tyrosine kinase signaling requires Shp-2, which is thought to act somewhere upstream of Ras.

Ordering Information

Order Online »

BML-SE273-0020	20µg

Manuals, SDS & CofA

View Online »

Handling & Storage

Use/Stability	After initial defrosting, aliquot product into individual tubes and snap freeze, for example in liquid nitrogen or dry ice/ethanol.
Handling	Avoid freeze/thaw cycles.
Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Src homology-2 containing phosphatase 2
Formulation	Liquid. In 10mM MES, pH 5.7, containing 100mM NaCl, 5mM DTT and 33% glycerol.
MW	68 kDa
Purity	≥90% (SDS-PAGE)
Purity Detail	Purified by multi-step chromatography.
Source	Produced in *E. coli*. full length human Shp-2 (aa 1-593).
Specific Activity	≥100pmol/min/µg assayed by p-nitrophenylphosphate (pNPP, 50mM) hydrolysis at pH 7.0, 30°C.
UniProt ID	Q06124

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