

Prdx1, 1-199aa, Mouse, His tag, Baculovirus (Bioactivity Validated)

Cat.NO.: TP03513

3th Edition

Synonyms: Peroxiredoxin-1, Prdx1, MSP23, NkefA, OSF-3, OSF3, PAG, Paga, Prdx I, prdx1, Prx I, Tdpx2, TDX2, TPxA

Description: Prdx1, also known as peroxiredoxin-1, is an important member of peroxiredoxins (Prdxs) regulating various cellular signaling and differentiation. It confers an aggressive survival phenotype of cancer cells and drug-resistance. This protein is also identified as a red blood cell factor which enhances natural killer (NK) cell activity. Recombinant mouse Prdx1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 23.2kDa (207aa), 18-28kDa (SDS-PAGE under reducing conditions.)

Sequences:

MSSGNAKIGYPAPNFKATAVMPDGQFKDISLSEYKGGYVFFFYPLDFTFVCPTTEIIAFSDRADEFKKLNCQVIGASV
DSHFCHLAWINTPKKQGGGLGPMNIPLISDPKRTIAQDYGVLKADEGISFRGLFIIDDKILRQITINDLPVGRSVDEIIRL
VQAFQFTDKHGECVCPAGWKPGSDTIKPDVVKSKKEYFSKQKLEHHHHHH

Purity: > 95% by HPLC

Concentration: 0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.