

P95757Hu02
Peroxiredoxin 2 (PRDX2)
Organism: Homo sapiens (Human)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

5th Edition (Revised in January, 2013)

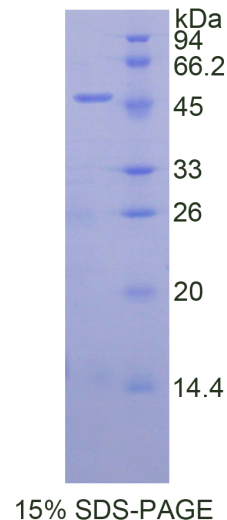
[DESCRIPTION]

Protein Names: Peroxiredoxin 2
Synonyms: PRDX2, NKEFB, TDPX1
Species: Human
Size: 100µg
Source: *Escherichia coli*-derived
Subcellular Location: Cytoplasm.

[PROPERTIES]

Residues: Ala6~Tyr164 (Accession # P32119), with two N-terminal Tags, His-tag and GST-tag.
Grade & Purity: >95%, 46kDa as determined by SDS-PAGE reducing conditions.
Formulation: Supplied as lyophilized form in PBS, pH 7.4, containing 5% sucrose, 0.01% sarcosyl.
Endotoxin Level: <1.0 EU per 1µg (determined by the LAL method).
Applications: SDS-PAGE; WB; ELISA; IP.
(May be suitable for use in other assays to be determined by the end user.)
Predicted Molecular Mass: 44.7kDa
Predicted Isoelectric point: 6.5

Human PRDX2



[PREPARATION]

Reconstitute in sterile PBS, pH7.2-pH7.4.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The target protein is fused with two N-terminal Tags, His-tag and GST-tag, its sequence is listed below.

MRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL
DIRYGVSRIA YSKDFETLKV DFLSKLP EML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD
VVL YMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA WPLQG WQATF GGGDHP PKSD
GSTSGSGHHH HHSAGLVPR GSTAIGMKET AAKFERQHM DSPDLGTLEV L FQ
GPLGSEF- ARIGK PAPDFKATAV VDGA FKEVKL SDYK GK YVVL FFYPLDFTFV CPT EIIAFSN
RAEDFRKLG C EVLGSVDSQ FTHLAWINTP RKEGGLGPLN IPLLADVTRR LSE DYGV LKT
DEGIAYRGLF IIDGKGVLRQ ITVNDLPVGR SVDEALRLVQ AFQY