

Peroxiredoxin 5, 53-214 aa, Human, Recombinant, E.coli

Cat.NO.: TP03354

3th Edition

Synonyms: ACR1, AOEB116, B116, PLP, PMP20, PRDX6, PRXV, SBBI10.

Description: Peroxiredoxin 5, also known as PRDX5, is a member of the peroxiredoxin family of antioxidant enzymes, which reduces hydrogen peroxide and alkyl hydroperoxides with reducing equivalents provided through the thioredoxin system. This protein may play an antioxidant protective role in different tissues under normal conditions and during inflammatory processes. It has been reported that peroxiredoxin 5 is involved in intracellular redox signaling.

Form: Liquid. In 20 mM HEPES buffer (pH 7.4).

Molecular Weight: 17.0 kDa (162aa), confirmed by MALDI-TOF

Sequences:

MAPIKVGDAIPAVEVFEGEPGNKVNLAELFKGKKGVLFGVPGAFTPGCSKTHLPGFVEQAEALKAKGVQVVAQLSV
NDAFVTGEWGRAHKAEGKVRLADPTGAFGKETDLLLDDSLVSIFGNRRLKRFSMVVQDGIVKALNVEPDGTGLTC
SLAPNIISQL

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by Bradford assay)

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.