

**STEAP4, 1-152aa Human, His tag, E.coli**

**Cat.NO.: TP04058**

3th Edition

**Synonyms:**tumor necrosis factor, alpha-induced protein 9, DKFZp666D049, FLJ23153, STAMP2, TIARP, TNFAIP9

**Description:**STEAP4 belongs to the STEAP (six transmembrane epithelial antigen of prostate) family, and resides in the golgi apparatus. It functions as a metalloredutase that has the ability to reduce both Fe(3+) to Fe(2+) and Cu(2+) to Cu(1+),using NAD(+) as acceptor. Studies in mice and human suggest that this gene maybe involved in adipocyte development and metabolism, and may contribute to the normal biology of the prostate cell, as well as prostate cancer progression. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. Recombinant human STEAP4 protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

**Molecular Weight:**20.6kDa (188aa)

**Sequences:**

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMEKTCIDALPLTMNSSEKQETVCIFGTGDFGRSLGLK  
MLQCGYSVVFGSRNPQKTTLLPSGAEVLSYSEAAKKSGIIIIAHREHYDFLTEVLEVLNGKILVDISNNLKINQYPSN  
AEYLAHLVPGAHVVKAFNTISAWALQSGALDASRQ

**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.