Recombinant human STAMP2/STEAP4 protein

Catalog Number: ATGP2593

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-152aa

UniProt No.
Q687X5

NCBI Accession No.
NP_078912

Alternative Names
Tumor necrosis factor alpha-induced protein 9, Tumor necrosis factor, Alpha-induced protein 9, DKFZp666D049, FLJ23153, STAMP2, TIARP, TNFAIP9, STEAP4 metalloreductase

PRODUCT SPECIFICATION

Molecular Weight
20.6 kDa (188aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE, Denatured

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
STEAP4 belongs to the STEAP (six transmembrane epithelial antigen of prostate) family, and resides in the golgi apparatus. It functions as a metalloreductase 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

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found for this gene. Recombinant human STEAP4 protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

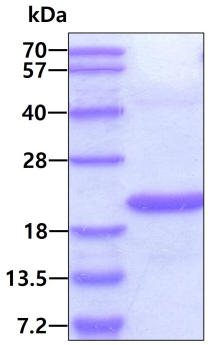
<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS>MEKT CIDALPLTMN SSEKQETVCI FGTGDFGRSL GLKMLQCGYS VVFGSRNPQK TTLLPSGAEV LSYSEAAKKS GIIIIAIHRE HYDFLTELTE VLNGKILVDI SNNLKINQYP ESNAEYLAHL VPGAHVVKAF NTISAWALQS GALDASRQ

General References

Kim,H.Y, et al. (2012) Exp. Mol. Med. 44 (10), 622-632
Tanaka,Y., et al. (2012) Clin. Exp. Rheumatol. 30 (1), 99-102

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.