

32-4979: Recombinant Human STEAP Family Member 4

Alternative Name : DKFZp666D049,FLJ23153,STAMP2,TIARP,TNFAIP9,Six-transmembrane epithelial antigen of prostate 4,SixTransMembrane protein of prostate 2,Tumor necrosis factor,alpha-induced protein 9.

Description

Source : Escherichia Coli. STEAP4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 188 amino acids (1-152 a.a) and having a molecular mass of 20.6kDa. STEAP4 is fused to a 36 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. STEAP Family Member 4 (STEAP4) is a member of the STEAP (six transmembrane epithelial antigen of prostate) family, resides in the golgi apparatus. STEAP4 act as a metalloredutase which has the ability to reduce both Fe(3+) to Fe(2+) and Cu(2+) to Cu(1+), using NAD(+) as acceptor. According to studies in mice and human it is possible that STEAP4 may involve in adipocyte development and metabolism, and also contribute to the normal biology of the prostate cell.

Product Info

Amount : 20 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : STEAP4 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMEKT CIDALPLTMN SSEKQETVCI
FGTGDFGRSL GLKMLQCGYS VVFGSRNPQK TLLPSGAEV LSYSEAAKKS GIIIIAHRE HYDFLTELTE
VLNGKILVDI SNNLKINQYP ESNAEYLAHL VPGAHVVKAF NTISAWALQS GALDASRQ.