

## 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,α-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 TTLLPSGAEV LSYSEAAKKS GIIIIAHRE HYDFLTE  
 VLNGKILVDI SNNLKINQYP ESNAEYLAHL VPGAHVVKAF NTISAWALQS GALDASRQ.

