
Product Data Sheet

Product Name: STEAP4 Human

Cat. No.: GP24717

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	DKFZp666D049; FLJ23153; STAMP2; TIARP; TNFAIP9; Six-transmembrane epithelial antigen of prostate 4; SixTransMembrane protein of prostate 2; Tumornecrosis factor; alpha-induced protein 9.		
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMEKT CIDALPLTMN SSEKQETVCI FGTGDFGRSL GLKMLQCGYSVVFGRNPQK TTLLPSGAEV LSYSEAAKKS GIIIIAHRE HYDFLTELTE VLNGKILVDI SNNLKINQYPESNAEYLAHL VPGAHVVKAF NTISAWALQS GALDASRQ.		
Formulation	STEAP4 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.		

Introduction

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 metallo reductase 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.

Stability

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.

Background

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

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20.6kDa.STEAP4 is fused to a 36 amino acid His-tag at N-terminus& purified by proprietary chromatographic techniques.

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