

Product Information

MemDX™ Membrane Protein Human STEAP4 (STEAP4 metalloreductase) for Antibody

Discovery

Cat. No.: **MP0822J**

This product is for research use only and is not intended for diagnostic use.

This product is a 51.8 kDa Human STEAP4 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

STEAP4

Protein Length

Full-length

Protein Class

Druggable Genome, Transmembrane

Molecular Weight

51.8 kDa

TMD

6

Sequence

MEKTCIDALPLTMNSSEKQETVCIFGTGDFGRSLGLKMLQCGYSVVFGRNPQKTTLLPSGAEVLSYSEA
AKKSDIIIIAIHREHYDFLTELTEVLNGKILVDISNNLKINQYPESNAEYLAHLVPGAHVVKAFTNTISAW
ALQSGALDASRQVFVCGNDSKAKQRVMDIVRNGLTPMDQGSLMAAKEIEKYPLQLFPMWRFPFYLSAVL
CVFLFFYCVIRDVIYPYVYEKKDNTFRMAISIPNRIFPITALTLLALVYLPGVIAILQLYRGTKYRRFP
DWLDHWMLCRKQLGLVALGFAFLHVLYTLVPIRYYVRWRLGNLTVTQAILKKENPFSTSSAWLSDSYVA
LGILGFFLFVLLGITSLPSVSNAVNWREFRFVQSKLGYLTLLCTAHTLVYGGKRFLSPSNLRWYLPAA
VLGLIIPCTVLVIKFVLIMPVDNTLTRIRQGWERNSKH

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

STEAP4

Full Name

STEAP4 metalloreductase

Introduction

The protein encoded by this gene 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 found for this gene.

Alternative Names

TIARP; STAMP2; SchLAH; TNFAIP9

Gene ID

[79689](#)

UniProt ID

[Q687X5](#)