

Recombinant Mouse Steap3 Protein, Myc/DDK-tagged

Cat. No. Steap3-6178M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length STEAP family member 3 (Steap3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Endosomal ferrireductase required for efficient transferrin-dependent iron uptake in erythroid cells. Participates in erythroid iron homeostasis by reducing Fe ³⁺ to Fe ²⁺ . Also mediates reduction of Cu ²⁺ to Cu ¹⁺ , suggesting that it participates in copper homeostasis. Uses NADP ⁺ as acceptor. May play a role downstream of p53/TP53 to interface apoptosis and cell cycle progression. Indirectly involved in exosome secretion by facilitating the secretion of proteins such as TCTP.
Molecular Mass	54.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

GENE INFORMATION

Gene Name Steap3 STEAP family member 3 [*Mus musculus* (house mouse)]

Official Symbol Steap3

Synonyms Steap3; STEAP family member 3; pHyd; Tsap6; pHyde; 1010001D01Rik; metalloreductase STEAP3; dudulin 2; protein nm1054; six-transmembrane epithelial antigen of prostate 3; tumor suppressor-activated pathway protein 6; EC 1.16.1.-

Gene ID 68428

mRNA Refseq NM_001085409

Protein Refseq NP_001078878

UniProt ID Q8CI59

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