

Recombinant Human SOX2-TAT

Catalog No: #AP60465

Package Size: #AP60465-1 5ug #AP60465-2 100ug #AP60465-3 500ug

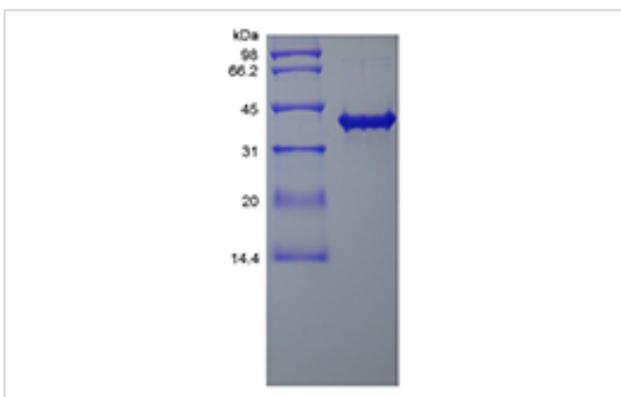
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Description

Product Name	Recombinant Human SOX2-TAT
Host Species	Escherichia coli.
Purification	> 95 % by SDS-PAGE and HPLC analyses.
Other Names	SOX2-TAT
Uniprot	P48431
GeneID	6657
Calculated MW	Approximately 36.0 kDa, a single non-glycosylated polypeptide chain containing 330 amino acids, including the 317 residues of full-length Sox2 and a 13-residue C-terminal TAT peptide (GGYGRKKRRQRRR).
Target Sequence	MYNMMETELK PPGPQQTSGG GGGNSTAAAA GGNQKNPDR VKRPMNAFMV WSRGQRRKMA QENPKMHNSE ISKRLGAEWK LLETETKRPF IDEAKRLRAL HMKEHPDYKY RPRRKTTLK KDKYTLPGG LLAPGGNSMA SGVGVGAGLG AGVNQRMSY AHMNGWSNGS YSMMQDQLGY PQHPGLNAHG AAQMMPMHRY DVSAALQYNSM TSSQTYMNGS PTYSMSYSQQ GTPGMALGSM GSVVKSEASS SPPVVTSSSH SRAPCQAGDL RDMISMYPG AEVPEPAAPS RLHMSQHYQS GPVPGTAING TLPLSHMGY GRKKRRQRRR
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 2 x PBS, pH 7.4, with 5% Trehalose.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °C as supplied.- 1 month, 2 to 8 °C under sterile conditions after reconstitution.- 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Images



Background

Sox2, also named SRY (sex determining region Y)-box 2, is belonging to the Sox family and it is encoded by the Sox gene in human. This protein family shares highly conserved DNA binding domains known as HMG (High-mobility group) box domains containing approximately 80 amino acids. Sox2 plays a role in maintenance of embryonic and neural stem cells and holds great promise in research involving induced pluripotency, an emerging and very promising field of regenerative medicine. Mature human Sox2 shares 100 amino acid sequence identity with murine and rat Sox2. Recombinant human Sox2-TAT expressed in E. coli is a 36 kDa protein containing 330 amino-acid residues, including the 317 residues of full-length

Sox2 and a 13-residue C-terminal TAT peptide (GGYGRKKRRQRRR).

Note: This product is for in vitro research use only