

Recombinant Full Length Human SOX1 Protein, C-Flag-tagged

Cat. No. SOX1-1537HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SOX1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This intronless gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional activator after forming a protein complex with other proteins. In mice, a similar protein regulates the gamma-crystallin genes and is essential for lens development.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	38.8 kDa
AA Sequence	MYSMMMETDLHSPGGAQAPTNLSGPAGAGGGGGGGGGGGGGGGGAKANQDRVK RPMNAFMVWSRGQRRKMA QENPKMHNSEISKRLGAEWKVMSEAEKRPFIDEAKR LRALHMKEHPDYKYRPRRKTKTLLKKDKYSLAGG LLAAGAGGGGA AVAMGVGVGV GAAAVGQRLESPGGAAGGGYAHVNGWANGAYPGSVAAAAAAAAMMQEAQ LAYG QHPGAGGAHPHAHPAHPHPHPAHPHPNPQPMHRYDMGALQYSPISNSQGYMSA SPSGYGGLPYGA AAAAAAAGGAHQNSAVAAAAAAAASSGALGALGSLVKSEPS GSPPAPAHSRAPCPGDLREMISMYLPA GEGGDPAAAAAAAAQSR LHSLPQHYQGAGAGVNGTVPLTHISGPTRTRRLEQKLIS

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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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Adult stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transmembrane
Full Length	Full L.

GENE INFORMATION

Gene Name	SOX1 SRY-box transcription factor 1 [Homo sapiens (human)]
Official Symbol	SOX1
Synonyms	SRY (sex determining region Y)-box 1; SRY-related HMG-box gene 1
Gene ID	6656
mRNA Refseq	NM_005986.3

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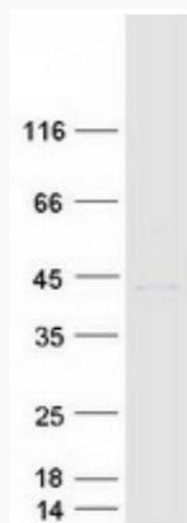
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Protein Refseq NP_005977.2

MIM 602148

UniProt ID O00570



Coomassie blue staining of purified SOX1 protein.

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