

Product datasheet for PH318236

SOX1 (NM_005986) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SOX1 MS Standard C13 and N15-labeled recombinant protein (NP_005977)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218236
Predicted MW:	38.8 kDa
Protein Sequence:	>RC218236 representing NM_005986 Red=Cloning site Green=Tags(s) MYSMMETDLHSPGGAQAPTNLSPGAGAGGGGGGGGGGGGAKANQDRVKRPMNAFMVWSRGQRRKMA QENPKMHNSEISKRLGAEWKVMSEAEKRPFIDEAKRLRALHMKEHPDYKYRPRRKTLLKDKYSLAGG LLAAGAGGGGAAYAMGVGVGVGAAAVGQRLSPGGAAGGGYAHVNGWANGAYPGSVAAAAAAAAAMMQEAG LAYGQHPGAGGAHPAHPAHPHPHPHPHPNPQPMHRYDMGALQYSPISNSQGYMSASPSGYGGLPYGA AAAAAAAAAGGAHQNSAVAAAAAAAASSGALGALGSLVKSEPSGSPPAPAHSRAPCPGDLREMISMYLPA GEGGDPAAAAAAAAQSRLHSLPQHYQGAGAGVNGTVPLTHI SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_005977</u>
RefSeq Size:	4108
RefSeq ORF:	1173
Locus ID:	6656
UniProt ID:	<u>O00570</u>



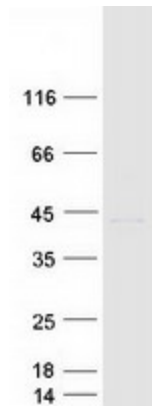
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Cytogenetics: 13q34

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Adult stem cells, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transmembrane

Product images:



Coomassie blue staining of purified SOX1 protein (Cat# [TP318236]). The protein was produced from HEK293T cells transfected with SOX1 cDNA clone (Cat# [RC218236]) using MegaTran 2.0 (Cat# [TT210002]).