abcam

Product datasheet

Recombinant Human SOX9 protein ab131911

1 References 1 Image

Description

Product name	Recombinant Human SOX9 protein
Expression system	Wheat germ
Accession	P48436
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MNLLDPFMKMTDEQEKGLSGAPSPTMSEDSAGSPCPSG SGSDTENTRPQE NTFPKGEPDLKKESEEDKFPVCIREAVSQVLKGYDWTLV PMPVRVNGSSK NKPHVKRPMNAFMVWAQAARRKLADQYPHLHNAELSKT LGKLWRLLNESE KRPFVEEAERLRVQHKKDHPDYKYQPRRRKSVKNGQAE AEEATEQTHISP NAIFKALQADSPHSSSGMSEVHSPGEHSGQSQGPPTPPT TPKTDVQPGKA DLKREGRPLPEGGRQPPIDFRDVDIGELSSDVISNIETFDV NEFDQYLPP NGHPGVPATHGQVTYTGSYGISSTAATPASAGHVWMSKQ QAPPPPPQQPP QAPPAPQAPPQPQAAPPQQPAAPPQQPQAHTLTTLSSE PGQSQRTHIKTE QLSPSHYSEQQQHSPQQIAYSPFNLPHYSPSYPPITRSQY DYTDHQNSSS YYSHAAGQGTGLYSTFTYMNPAQRPMYTPIADTSGVPSIPQ THSPQHWEQ PVYTQLTRP
Predicted molecular weight	83 kDa including tags
Amino acids	1 to 509
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab131911** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA Western blot SDS-PAGE
Form	Liquid
Additional notes	

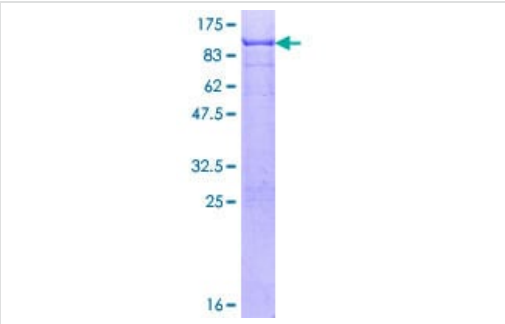
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

General Info

Function	Plays an important role in the normal skeletal development. May regulate the expression of other genes involved in chondrogenesis by acting as a transcription factor for these genes.
Involvement in disease	Defects in SOX9 are the cause of campomelic dysplasia (CMD1) [MIM:114290]. CMD1 is a rare, often lethal, dominantly inherited, congenital osteochondrodysplasia, associated with male-to-female autosomal sex reversal in two-thirds of the affected karyotypic males. A disease of the newborn characterized by congenital bowing and angulation of long bones, unusually small scapulae, deformed pelvis and spine and a missing pair of ribs. Craniofacial defects such as cleft palate, micrognatia, flat face and hypertelorism are common. Various defects of the ear are often evident, affecting the cochlea, malleus incus, stapes and tympanum. Most patients die soon after birth due to respiratory distress which has been attributed to hypoplasia of the tracheobronchial cartilage and small thoracic cage.
Sequence similarities	Contains 1 HMG box DNA-binding domain.
Cellular localization	Nucleus.

Images



SDS-PAGE - Recombinant Human SOX9 protein (ab131911)

ab131911 on a 12.5% SDS-PAGE Stained with Coomassie Blue.

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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