

Sox-10 recombinant protein

CatalogNo: YD3028

Key Features

Reactivity

- Human

Storage

Storage* -15°C to -25°C/1 year(Avoid freeze / thaw cycles)

Formulation Phosphate-buffered solution

Recommended Dilution Ratios

Basic Information

Source Mammalian cells

Purification Mammalian cells

Purity >90% as determined by SDS-PAGE

Immunogen Information

Sequence Amino acid:228-310,with human FC tag.

Target Information

Gene name SOX10

Protein Name Transcription factor SOX-10

Organism	Gene ID	UniProt ID
Human	6663 ;	P56693 ;

Cellular Localization Cytoplasm . Nucleus . Mitochondrion outer membrane ; Peripheral membrane protein ; Cytoplasmic side .

Tissue specificity Expressed in fetal brain and in adult brain, heart, small intestine and colon.

Function Transcription factor that plays a central role in developing and mature glia (By similarity). Specifically activates expression of myelin genes, during oligodendrocyte (OL) maturation, such as DUSP15 and MYRF, thereby playing a central role in oligodendrocyte maturation and CNS myelination (By similarity). Once induced, MYRF cooperates with SOX10 to implement the myelination program (By similarity). Transcriptional activator of MITF, acting synergistically with PAX3 (PubMed:21965087). Transcriptional activator of MBP, via binding to the gene promoter (By similarity).

| Validation Data

| Contact information

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Sox-10 recombinant protein

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