



# Recombinant Human Homeobox protein Hox-B4 (HOXB4)

<b>Product Code</b>	CSB-EP010664HU-B
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P17483
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MAMSSFLINSNYVDPKFPPCEEYSQSDYLPDHPGYYAGGQRRESSFQPEA GFGRRAACTVQRYAACRDPGPPPPPPPPPPPPPPGLSPRAPAPPAGALLP EPGQRCEAVSSSPPPPPCAQNPLHPSPSHSACKPEVVYPWMRKVVHSTVNP NYAGGEPKRSRTAYTRQQVLELEKEFHYNRYLTRRRRVEIAHALCLSERQIKI WFQNRMRKWKDHLKLPNTKIRSGGAAGSAGGPPGRPNGGPRAL
<b>Research Area</b>	Transcription
<b>Source</b>	E.coli
<b>Target Names</b>	HOXB4
<b>Protein Names</b>	Recommended name: Homeobox protein Hox-B4 Alternative name(s): Homeobox protein Hox-2.6 Homeobox protein Hox-2F
<b>Expression Region</b>	1-251aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4? for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length
<b>Target Details</b>	This gene is a member of the Antp homeobox family and encodes a nuclear protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded protein functions as a sequence-specific transcription factor that is involved in development. Intracellular or ectopic expression of this protein expands hematopoietic stem and progenitor cells in vivo and in vitro, making it a potential candidate for therapeutic stem cell expansion.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



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