



# Recombinant Human Homeobox protein Hox-D13 (HOXD13)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-EP010685HU-B  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | P35453  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MSRAGSWDMD GLRADGGGAG GAPASSSSSS VAAAAASGQC<br>RGFLSAPVFA GTHSGRAAAA AAAAAAAAAA ASGFAYPGTS ERTGSSSSSS<br>SSAVVAARPE APPAKECPAP TPAAAAAAPP SAPALGYGYH FGNGYYSCRM<br>SHGVGLQQNA LKSSPHASLG GFPVEKYMDV SGLASSSVPA NEVPARAKEV<br>SFYQGYTSPY QHVPGYIDMV STFGSGEPRH EAYISMEGYQ SWTLANGWNS<br>QVYCTKDQPQ GSHFWKSSFP GDVALNQPDM CVYRRGRKKR<br>VPYTKLQLKE LENEYAINKF INKDKRRRIS AATNLSEKRVQ TIWFAQNRRVK<br>DKKIVSKLKD TVS  |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | HOXD13  |
| <b>Protein Names</b>     | Recommended name: Homeobox protein Hox-D13 Alternative name(s):<br>Homeobox protein Hox-4l  |
| <b>Expression Region</b> | 1-343   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full length protein   |
| <b>Target Details</b>    | This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXD genes located in a cluster on chromosome 2. Deletions that remove the entire HOXD gene cluster or the 5 end of this cluster have been associated with severe limb and genital abnormalities. Mutations in this particular gene cause synpolydactyly. |
| <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.   |



## Shelf Life

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.