

Recombinant Human HOXD13 Protein, His-tagged

Cat. No. HOXD13-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HOXD13 Protein, fused to His-tag, was expressed in E. coli.
Species	Human
Source	E.coli
Description	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.
Form	PBS, pH 7.4, 0.1% SKL.
Molecular Mass	36 kDa
AA Sequence	HHHHHHMSRAGSWDMDGLRADGGGAGGAPASSSSSSVAAAAASGQCRGFLSAP VFAGTHSGRAAAAAAAAAAAAAAAAAASGFAYPGTSERTGSSSSSSSSAVVAARPEAPP AKECPAPTPAAAAAAPPSPALGYGYHFGNGYYSCRM SHGVGLQQNALKSSPHAS LGGFPVEKYMDVSGLASSSVANEVPARAKEVSFYQGYTSPYQHVPGYIDMVSTFG SGEPRHEAYISMEGYQSWTLANGWNSQVYCTKDQPQGSHFWKSSFPGDVALNQP

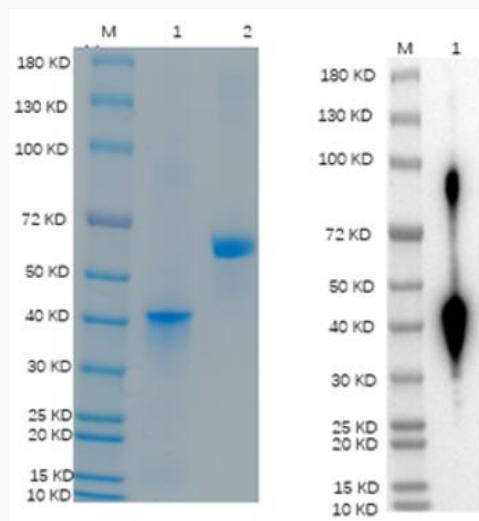
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	DMCVYRRGRKKRVPYTKLQLKELENEYAINKFINKDKRRRISAATNLSEKQVTIWFQ NRRVKDKKIVSKLKDTVS
Purity	>85% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	1.2 mg/ml
GENE INFORMATION	
Gene Name	HOXD13 homeobox D13 [Homo sapiens (human)]
Official Symbol	HOXD13
Synonyms	BDE; SPD; BDSD; SPD1; HOX4I
Gene ID	3239
mRNA Refseq	NM_000523.4
Protein Refseq	NP_000514.2
MIM	142989
UniProt ID	P35453

SDS-PAGE



Reducing 12% SDS-PAGE and WB analysis profiles of purified HOXD13.

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