

Product datasheet for PH306492

HOXD9 (NM_014213) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HOXD9 MS Standard C13 and N15-labeled recombinant protein (NP_055028)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206492
Predicted MW:	35.6 kDa
Protein Sequence:	>RC206492 protein sequence Red=Cloning site Green=Tags(s)

MSSSGTLSNYYVDSLIGHEGDEVFAARFGPPGPAQGRPAGVADGPAATAAEFASCSFAPRSVAVFSASWS
AVPSQPPAAAAMSGLYHPYVPPPLAASASEPGRYVRSWMEPLPGFPGGAGGGGGGGGGPGRVPALAPA
AQPTGCHYGIKPETRAAPAPATAASTTSSSSTLSSSSKRTECSVARESQGSSGPEFSCNSFLQEAAAA
TGGTGPGAGIGAATGTGGSSEPSACSDHPIPGCSLKEEEKQHSQPQQQLDPNPAANWIHARSTRKKRC
PYTKYQTLLEKEFLFNMYLTRDRRYEVARILNLTERQVKIWFQNRMMKMKMSKEKCPKGD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_055028</u>
RefSeq Size:	1902
RefSeq ORF:	1026
Synonyms:	Hox-4.3; Hox-5.2; HOX4; HOX4C
Locus ID:	3235



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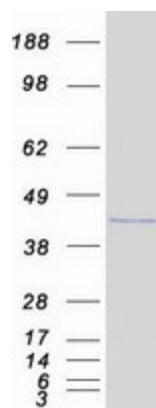
UniProt ID: [P28356](#)

Cytogenetics: 2q31.1

Summary: 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 at 2q31-2q37 chromosome regions. Deletions that removed the entire HOXD gene cluster or 5' end of this cluster have been associated with severe limb and genital abnormalities. The exact role of this gene has not been determined. [provided by RefSeq, Jul 2008]

Protein Families: Transcription Factors

Product images:



Coomassie blue staining of purified HOXD9 protein (Cat# [TP306492]). The protein was produced from HEK293T cells transfected with HOXD9 cDNA clone (Cat# [RC206492]) using MegaTran 2.0 (Cat# [TT210002]).