

## Product datasheet for PH308810

### HOXC8 (NM\_022658) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	HOXC8 MS Standard C13 and N15-labeled recombinant protein (NP_073149)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208810
Predicted MW:	27.8 kDa
Protein Sequence:	>RC208810 protein sequence Red=Cloning site Green=Tags(s)  MSSYFVNPLFSKYKAGESLEPAYYDCRFPQSVGRSHALVYGP GGSAPGFQHASHHVQDFFHHGTSGISNS GYQQNPCSLSCHGDASKFYGYEALPRQSLYGAQQEASVVQYPDCKSSANTNSSEGQGH L NQNSSPSLMFP WMRPHAPGRRSGRQTYSRYQTLELEKEFLFNPYL TRKRRIEVSHALGLTERQVKIWFQNR RMKWKKENNK DKLPGARDEEKVEEEEGNEEEEEEEEEKEENKD  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_073149</a>
RefSeq Size:	2290
RefSeq ORF:	726
Synonyms:	HOX3; HOX3A
Locus ID:	3224
UniProt ID:	<a href="#">P31273</a>



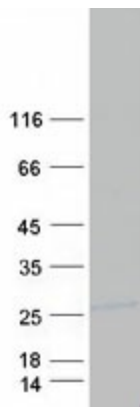
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**Cytogenetics:** 12q13.13

**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, which are located on different chromosomes and consist of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXC genes located in a cluster on chromosome 12. The product of this gene may play a role in the regulation of cartilage differentiation. It could also be involved in chondrodysplasias or other cartilage disorders. [provided by RefSeq, Jul 2008]

**Protein Families:** Transcription Factors

**Product images:**



Coomassie blue staining of purified HOXC8 protein (Cat# [TP308810]). The protein was produced from HEK293T cells transfected with HOXC8 cDNA clone (Cat# [RC208810]) using MegaTran 2.0 (Cat# [TT210002]).