

**HDGR2 Blocking Peptide (N-term)**

Synthetic peptide

Catalog # BP20245A

**Specification**

---

**HDGR2 Blocking Peptide (N-term) - Product Information**

Primary Accession

[Q7Z4V5](#)

Other Accession

[Q5XXA9](#), [Q32N87](#), [Q925G1](#), [Q3UMU9](#),  
[NP\\_001001520.1](#)**HDGR2 Blocking Peptide (N-term) - Additional Information****Gene ID** 84717**Other Names**

Hepatoma-derived growth factor-related protein 2, HRP-2, Hepatoma-derived growth factor 2, HDGF-2, HDGFRP2, HDGF2

**Target/Specificity**

The synthetic peptide sequence is selected from aa 66-79 of HUMAN HDGFRP2

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**HDGR2 Blocking Peptide (N-term) - Protein Information****Name** HDGFL2 ([HGNC:14680](#))**Function**

Acts as an epigenetic regulator of myogenesis in cooperation with DPF3a (isoform 2 of DPF3/BAF45C) (PubMed: [32459350](http://www.uniprot.org/citations/32459350)). Associates with the BAF complex via its interaction with DPF3a and HDGFL2-DPF3a activate myogenic genes by increasing chromatin accessibility through recruitment of SMARCA4/BRG1/BAF190A (ATPase subunit of the BAF complex) to myogenic gene promoters (PubMed: [32459350](http://www.uniprot.org/citations/32459350)). Promotes the repair of DNA double-strand breaks (DSBs) through the homologous recombination pathway by facilitating the recruitment of the DNA endonuclease RBBP8 to the DSBs (PubMed: [26721387](http://www.uniprot.org/citations/26721387)). Preferentially binds to chromatin regions marked by H3K9me3, H3K27me3 and H3K36me2 (PubMed: [26721387](http://www.uniprot.org/citations/26721387)), PubMed: [32459350](http://www.uniprot.org/citations/32459350)

target="\_blank">32459350</a>). Involved in cellular growth control, through the regulation of cyclin D1 expression (PubMed:<a href="http://www.uniprot.org/citations/25689719" target="\_blank">25689719</a>).

**Cellular Location**

Nucleus. Cytoplasm {ECO:0000250|UniProtKB:Q925G1}

**Tissue Location**

Widely expressed. High expression is found in heart, skeletal muscle, ovary and testis. Overexpression is frequently observed in hepatocellular carcinoma samples

**HDGR2 Blocking Peptide (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**HDGR2 Blocking Peptide (N-term) - Images****HDGR2 Blocking Peptide (N-term) - Background**

This gene encodes a member of the hepatoma-derived growth factor (HDGF) family. Two alternatively spliced transcript variants encoding slightly different isoforms have been found for this gene.

**HDGR2 Blocking Peptide (N-term) - References**

Matsuoka, S., et al. Science 316(5828):1160-1166(2007)  
Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :  
Olsen, J.V., et al. Cell 127(3):635-648(2006)  
Vandegraaff, N., et al. Virology 346(2):415-426(2006)  
Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)