

FXR1 Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP20184a**Specification****FXR1 Blocking Peptide (N-term) - Product Information**

Primary Accession [P51114](#)
Other Accession [Q5XI81](#), [Q61584](#),
[Q70523](#), [Q2TBT7](#),
[NP_005078.2](#)

FXR1 Blocking Peptide (N-term) - Additional Information

Gene ID 8087

Other Names

Fragile X mental retardation
syndrome-related protein 1, hFXR1p, FXR1

Target/Specificity

The synthetic peptide sequence is selected
from aa 52-66 of HUMAN FXR1

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.

FXR1 Blocking Peptide (N-term) - Protein Information

Name FXR1

Function

RNA-binding protein required for embryonic
and postnatal development of muscle tissue
(PubMed:<a href="http://www.uniprot.org/c

FXR1 Blocking Peptide (N-term) - Background

The protein encoded by this gene is an RNA
binding protein
that interacts with the functionally-similar
proteins FMR1 and
FXR2. These proteins shuttle between the
nucleus and cytoplasm and
associate with polyribosomes, predominantly
with the 60S ribosomal
subunit. Three transcript variants encoding
different isoforms have
been found for this gene.

FXR1 Blocking Peptide (N-term) - References

Coffee, R.L. Jr., et al. Dis Model Mech 3 (7-8),
471-485 (2010) :
Darnell, J.C., et al. Hum. Mol. Genet.
18(17):3164-3177(2009)
Purcell, S.M., et al. Nature
460(7256):748-752(2009)
Davidovic, L., et al. J. Med. Genet.
45(10):679-685(2008)
Vasudevan, S., et al. Cell
128(6):1105-1118(2007)

itations/30770808"
target="_blank">30770808). May
regulate intracellular transport and local
translation of certain mRNAs (By similarity).

Cellular Location

Cytoplasm, cytosol. Note=Adjacent to
Z-lines in muscles
{ECO:0000250|UniProtKB:Q61584}

Tissue Location

Expressed in all tissues examined including
heart, brain, kidney and testis.

**FXR1 Blocking Peptide (N-term) -
Protocols**

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

- [Blocking Peptides](#)