NXF3 Blocking Peptide

PRODUCT OVERVIEW

Product Name	NXF3, Blocking Peptide
Full Product Name	NXF3 Peptide
Product Gene Name	NXF3 blocking peptide
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	NXF3 peptide (MBS3230483) is used for blocking the activity of NXF3 antibody (MBS3205520)
Molecular Weight	58kDa
OMIM	300316
Product Categories/Family for NXF3 blocking peptide	Peptide
Applications Tested/Suitable for NXF3 blocking peptide	Immunohistochemistry (IHC), Western Blot (WB)
Related Product Information for NXF3 blocking peptide	This is a synthetic peptide designed for use in combination with anti-NXF3 antibody made Target Description: NXF3 is one member of a family of nuclear RNA export factors. Common domain features of this family are a noncanonical RNP-type RNA-binding domain (RBD), 4 leucine-rich repeats (LRRs), a nuclear transport factor 2 (NTF2)-like domain that allows heterodimerization with NTF2-related export protein-1 (NXT1), and a ubiquitin-associated domain that mediates interactions with nucleoporins. The LRRs and NTF2-like domains are required for export activity. NXF3 has shortened LRR and ubiquitin-associated domains and its RDB is unable to bind RNA. It is located in the nucleoplasm but is not associated with either the nuclear envelope or the nucleolus.This gene is one member of a family of nuclear RNA export factor genes. Common domain features of this family are a noncanonical RNP-type RNA-binding domain (RBD), 4 leucine-rich repeats (LRRs), a nuclear transport factor 2 (NTF2)-like domain that allows heterodimerization with NTF2-related export protein-1 (NXT1), and a ubiquitin-associated domain that mediates interactions with nucleoporins. The LRRs and NTF2-like domains are required for export activity. Alternative splicing seems to be a common mechanism in this gene family. The encoded protein of this gene has shortened LRR and ubiquitin-associated domains and its RDB is unable to bind RNA. It is located in the nucleoplasm but is not associated with either the nuclear envelope or the nucleolus.
Other Notes	Small volumes of NXF3 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NXF3 purchase	MBS3230483 is a blocking peptide targeting NXF3. Also known as NXF3 Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NXF3. It may not necessarily be applicable to this product.

NCBI GI #	11545757
NCBI GeneID	56000
NCBI Accession #	NP_071335
UniProt Primary Accession #	Q9H4D5
UniProt Related Accession #	Q9H4D5

GenBank Nucleotide #	NM_022052
NCBI Official Full Name	nuclear RNA export factor 3
NCBI Official Synonym Full Names	nuclear RNA export factor 3
NCBI Official Symbol	NXF3
UniProt Protein Name	Nuclear RNA export factor 3
UniProt Synonym Protein Names	TAP-like protein 3
Protein Family	Nuclear RNA export factor
UniProt Gene Name	NXF3
UniProt Synonym Gene Names	TAPL3; TAPL-3
UniProt Entry Name	NXF3_HUMAN
NCBI Protein Information	nuclear RNA export factor 3
NCBI Summary for NXF3	This gene is one member of a family of nuclear RNA export factor genes. Common domain features of this family are a noncanonical RNP-type RNA-binding domain (RBD), 4 leucine-rich repeats (LRRs), a nuclear transport factor 2 (NTF2)-like domain that allows heterodimerization with NTF2-related export protein-1 (NXT1), and a ubiquitin-associated domain that mediates interactions with nucleoporins. The LRRs and NTF2-like domains are required for export activity. Alternative splicing seems to be a common mechanism in this gene family. The encoded protein of this gene has shortened LRR and ubiquitin-associated domains and its RDB is unable to bind RNA. It is located in the nucleoplasm but is not associated with either the nuclear envelope or the nucleolus. [provided by RefSeq, Jul 2008]
UniProt Comments for NXF3	NXF3: May function as a tissue-specific nuclear mRNA export factor. Belongs to the NXF family. Chromosomal Location of Human Ortholog: Xq22 Cellular Component: nucleoplasm; nuclear RNA export factor complex; cytoplasm; nucleus Molecular Function: mRNA binding; protein binding; nucleotide binding Biological Process: poly(A)+ mRNA export from nucleus; mRNA export from nucleus
Research Articles on NXF3	**1.** observations collectively demonstrate that AF119895 modulates the repression of NXF3 by binding to miR-6508-3p
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