TCAF1 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	TCAF1, Blocking Peptide
Full Product Name	TCAF1 Peptide - C-terminal region
Product Gene Name	TCAF1 blocking peptide
Product Synonym Gene Name	FAM115A; TCAF1
Sequence	Synthetic peptide located within the following region: FTEYRNQTNL PTENVDKMNL WVKMFSHQVQ KNLAPFFEAW AWPIQKEVAT
Species Reactivity	Human
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	TCAF1 peptide (MBS3243342) is used for blocking the activity of TCAF1 antibody (MBS3218449)
Molecular Weight	56kDa
Product Categories/Family for TCAF1 blocking peptide	Peptide
Applications Tested/Suitable for TCAF1 blocking peptide	Western Blot (WB)
Related Product Information for TCAF1 blocking peptide	MBS3243342 is a blocking peptide targeting TCAF1. Also known as TCAF1 Peptide - C-terminal region. Reactive in Human.
Other Notes	Small volumes of TCAF1 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TCAF1. It may not necessarily be applicable to this product.

NCBI GI #	332635057
NCBI GeneID	9747
NCBI Accession #	NP_001193870
UniProt Primary Accession #	Q9Y4C2
UniProt Related Accession #	Q9Y4C2
GenBank Nucleotide #	NM_001206941
NCBI Official Full Name	TRPM8 channel-associated factor 1 isoform 3
NCBI Official Synonym Full Names	TRPM8 channel associated factor 1
NCBI Official Symbol	TCAF1
NCBI Official Synonym Symbols	FAM115A
UniProt Protein Name	Protein FAM115A

Protein Family	TRPM8 channel-associated factor
UniProt Gene Name	FAM115A
UniProt Synonym Gene Names	KIAA0738
UniProt Entry Name	F115A_HUMAN
NCBI Protein Information	TRPM8 channel-associated factor 1
Research Articles on TCAF1	**1.** TCAF1 binds to and promotes trafficking of the TRPM8 cold sensor channel to the cell surface, it contains a PI3K homology domain in its C-terminal tail that modifies TRPM8 gating properties and seems to facilitate channel opening, as assessed by menthol-induced response. Overexpression leads to a reduction in both the speed and directionality of migration of prostate cancer cells.
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