DEF6 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	DEF6, Blocking Peptide
Full Product Name	DEF6 Peptide - C-terminal region
Product Gene Name	DEF6 blocking peptide
Product Synonym Gene Name	IBP; SLAT; SWAP70L
Sequence	SSSFSGFQPP LLAHRDSSLK RLTRWGSQGN RTPSPNSNEQ QKSLNGGDEA
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	DEF6 peptide (MBS3241598) is used for blocking the activity of DEF6 antibody (MBS3216698)
Molecular Weight	74kDa
OMIM	610094
Product Categories/Family for DEF6 blocking peptide	Peptide
Applications Tested/Suitable for DEF6 blocking peptide	Western Blot (WB)
Related Product Information for DEF6 blocking peptide	This is a synthetic peptide designed for use in combination with anti-DEF6 Antibody, made Target Description: DEF6, or IBP, is a guanine nucleotide exchange factor (GEF) for RAC and CDC42 that is highly expressed in B and T cells.
Other Notes	Small volumes of DEF6 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 DEF6 purchase	MBS3241598 is a blocking peptide targeting DEF6. Also known as DEF6 Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DEF6. It may not necessarily be applicable to this product.

NCBI GI #	145312241
NCBI GeneID	50619
NCBI Accession #	NP_071330
UniProt Primary Accession #	Q9H4E7
UniProt Related Accession #	Q9H4E7
GenBank Nucleotide #	NM_022047
NCBI Official Full Name	differentially expressed in FDCP 6 homolog
NCBI Official Synonym Full Names	DEF6 guanine nucleotide exchange factor

NCBI Official Symbol	DEF6
NCBI Official Synonym Symbols	IBP; SLAT; SWAP70L
UniProt Protein Name	Differentially expressed in FDCP 6 homolog
UniProt Synonym Protein Names	IRF4-binding protein
Protein Family	Differentially expressed in FDCP
UniProt Gene Name	DEF6
UniProt Synonym Gene Names	IBP; DEF-6
UniProt Entry Name	DEFI6_HUMAN
NCBI Protein Information	differentially expressed in FDCP 6 homolog
NCBI Summary for DEF6	DEF6, or IBP, is a guanine nucleotide exchange factor (GEF) for RAC (MIM 602048) and CDC42 (MIM 116952) that is highly expressed in B and T cells (Gupta et al., 2003 [PubMed 12923183]).[supplied by OMIM, Mar 2008]
UniProt Comments for DEF6	DEF6: Phosphatidylinositol 3,4,5-trisphosphate-dependent guanine nucleotide exchange factor (GEF) which plays a role in the activation of Rho GTPases RAC1, RhoA and CDC42. Can regulate cell morphology in cooperation with activated RAC1. Plays a role in Th2 (T helper cells) development and/or activation, perhaps by interfering with ZAP70 signaling. Protein type: GEFs; GEFs, Rac/Rho Chromosomal Location of Human Ortholog: 6p21.33-p21.1 Cellular Component: membrane; cytoplasm; plasma membrane; intercellular junction; nucleus
Research Articles on DEF6	**1.** this study identifies Def6 as a novel inhibitor of osteoclastogenesis in physiological and inflammatory conditions
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