OSR1 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	OSR1, Monoclonal Antibody
Full Product Name	OSR1 (Odd-skipped Related 1 (Drosophila), ODD) (MaxLight 750)
Product Gene Name	anti-OSR1 antibody
Product Synonym Names	Odd-skipped Related 1 (Drosophila); ODD
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	1D5
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified
Specificity	Recognizes OSR1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	29,611 Da
OMIM	608891
3D Structure	ModBase 3D Structure for Q8TAX0
Immunogen	OSR1 (NP_660303, 1aa-100aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MGSKTLPAPVPIHPSLQLTNYSFLQAVNGLPTVPSDHLPNLYGFSALHAVHLHQWTLGYPAMHLPRSSFSKVPGTVSSLVDARFQLPAFPWFPHVIQPKP
Conjugate	MaxLight750
Product Categories/Family for anti-OSR1 antibody	Antibodies; Transcription Factors; Zinc (Ring) Finger
Applications Tested/Suitable for anti-OSR1 antibody	Western Blot (WB)
Application Notes for anti-OSR1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-OSR1 antibody	MBS6239750 is an antibody targeting OSR1. Also known as OSR1 (Odd-skipped Related 1 (Drosophila), ODD) (MaxLight 750). Host: Mouse. Mouse monoclonal antibody raised against a partial recombinant OSR1.

Other Notes	Small volumes of anti-OSR1 antibody 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 OSR1. It may not necessarily be applicable to this product.

NCBI GI #	21687100
NCBI GeneID	130497
NCBI Accession #	NP_660303
UniProt Primary Accession #	Q8TAX0
UniProt Secondary Accession #	B3KV97; D6W521
UniProt Related Accession #	Q8TAX0
GenBank Nucleotide #	NM_145260
NCBI Official Full Name	protein odd-skipped-related 1
NCBI Official Synonym Full Names	odd-skipped related transciption factor 1
NCBI Official Symbol	OSR1
NCBI Official Synonym Symbols	ODD
UniProt Protein Name	Protein odd-skipped-related 1
Protein Family	Protein odd-skipped
UniProt Gene Name	OSR1
UniProt Synonym Gene Names	ODD
UniProt Entry Name	OSR1_HUMAN
NCBI Protein Information	protein odd-skipped-related 1; odd-skipped homolog; odd-skipped related 1
UniProt Comments for OSR1	ODD: Transcription factor that plays a role in the regulation of embryonic heart and urogenital development. Belongs to the Odd C2H2-type zinc-finger protein family. Protein type: Apoptosis; C2H2-type zinc finger protein Chromosomal Location of Human Ortholog: 2p24.1 Cellular Component: nucleus Molecular Function: nucleic acid binding; metal ion binding Biological Process: embryonic forelimb morphogenesis; gonad development; transcription, DNA-dependent; heart development; intermediate mesoderm development; negative regulation of epithelial cell differentiation; palate development; middle ear morphogenesis; negative regulation of transcription from RNA polymerase II promoter; stem cell differentiation; positive regulation of bone mineralization; embryonic hindlimb morphogenesis; pronephros development; odontogenesis; ureteric bud development; chondrocyte differentiation; positive regulation of transcription from RNA polymerase II promoter; mesonephros development; embryonic digit morphogenesis; cell differentiation; positive regulation of epithelial cell proliferation; urogenital system development; negative regulation of apoptosis
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