DESI2 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	DESI2, Recombinant Protein
Full Product Name	Recombinant Human DESI2
Product Gene Name	DESI2 recombinant protein
Product Synonym Names	DESI2; Desumoylating isopeptidase 2; FAM152A; PNAS 4; PPPDE1
Host	E Coli
Form/Format	Lyophilized from a 0.2um filtered solution in PBS with 5% trehalose, pH7.4
Purity/Purification	Greater than 75% by SDS-PAGE gel analyses
Preparation and Storage	Store at -20 degree C for 12 months as lyophilized; 2-8 degree C for 1 month under sterile conditions after reconstitution
Molecular Weight	17,808 Da
Sequence Positions	1-194
OMIM	614638
3D Structure	ModBase 3D Structure for Q9BSY9
Species	Human
Tag	N-terminal His-IF2DI Tag
Reconstitution	Centrifuge the vial at 10,000rpm for 1 minute, reconstitute at 200ug/ml in sterile distilled water
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for DESI2 recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for DESI2 recombinant protein	MBS7613441 is a recombinant protein targeting DESI2. Also known as Recombinant Human DESI2. Host: E Coli.
Other Notes	Small volumes of DESI2 recombinant protein 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 DESI2. It may not necessarily be applicable to this product.

NCBI GI #	38708309
NCBI GeneID	51029
NCBI Accession #	NP_057160
UniProt Primary Accession #	Q9BSY9
UniProt Secondary Accession #	Q5VVC6; Q9NYS2; Q9Y3E4; B1APK6
UniProt Related Accession #	Q9BSY9
GenBank Nucleotide #	NM_016076.4

NCBI Official Full Name	desumoylating isopeptidase 2 isoform 1
NCBI Official Synonym Full Names	desumoylating isopeptidase 2
NCBI Official Symbol	DESI2
NCBI Official Synonym Symbols	DESI; DESI1; DeSI-2; PNAS-4; PPPDE1; CGI-146; FAM152A; C1orf121
UniProt Protein Name	Desumoylating isopeptidase 2
UniProt Synonym Protein Names	PPPDE peptidase domain-containing protein 1; Protein FAM152A
Protein Family	Desumoylating isopeptidase
UniProt Gene Name	DESI2
UniProt Synonym Gene Names	C1orf121; FAM152A; PPPDE1; DeSI-2
UniProt Entry Name	DESI2_HUMAN
NCBI Protein Information	desumoylating isopeptidase 2; desumoylating isopeptidase 1; PPPDE peptidase domain-containing protein 1; family with sequence similarity 152, member A
UniProt Comments for DESI2	PPPDE1: Protease which may deconjugate SUMO from some substrate proteins. Belongs to the DeSI family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: EC 3.4.-.- Chromosomal Location of Human Ortholog: 1q44 Cellular Component: cytoplasm Molecular Function: peptidase activity Biological Process: proteolysis
Research Articles on DESI2	**1.** hPNAS-4 inhibits proliferation of ovarian cancer cells by inducing S phase arrest and apoptosis via activation of Cdc25A-Cdk2-Cyclin E/Cyclin A axis and mitochondrial dysfunction-mediated caspase-dependent and -independent apoptotic pathways.
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