UPF0667 Protein C1orf55 Homolog (SDE2) Pongo Abelii Recombinant Protein

PRODUCT OVERVIEW

Product Name	UPF0667 protein C1orf55 homolog (SDE2), Recombinant Protein
Full Product Name	Recombinant Pongo abelii UPF0667 protein C1orf55 homolog
Product Gene Name	SDE2 recombinant protein
Sequence	MAEAAALVWI RGPGFGCKAV RCASARCTVR DFIHRHCQDQ NVPVENFFVK CNGALIYTSD TVQHGAVYSL EPRLCGGKGG FGSMLRALGA QIEKTTNREA CRDLSGRRLR DVNHEKAMAE WVKQQAEREA EKEQKRLERL QRKLVEPKHC FTSPDYQQQC HEMAERLEDS VLKGMQAASS KMVSAEISEN RKRQWPTKSQ TDREASAGKR RYFWLGMEGL ETAEGSSSES SDDDSEEAPS TSGMGFHAPK IGGSGVEMAA KFPSGSQRAR VVNTDPGSPE QLQIPVTDSG RHISEDSCAE LGESKEHMES RMVTETEETQ EKKAESREPI EEEPTGAGLN KDKETEERTD GERVAEVACE ERENVAVAKL QESQPGNAVI DKETIDLLAF TSVAELELLG LEKLKCELMA LGLKCGGTLQ ERAARLFSVR GLAKEQIDPA LFAKPLKGKK K
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	49,821 Da
Sequence Positions	1-451, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q5RET9
Species	Pongo abelii (Sumatran orangutan)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SDE2 recombinant protein	MBS1373360 is a recombinant protein targeting SDE2. Also known as Recombinant Pongo abelii UPF0667 protein C1orf55 homolog. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SDE2 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 SDE2. It may not necessarily be applicable to this product.

NCBI GI #	197099300
NCBI GeneID	100171633
NCBI Accession #	NP_001124780.1
UniProt Primary Accession #	Q5RET9
UniProt Related Accession #	Q5RET9

GenBank Nucleotide #	NM_001131308.1
NCBI Official Full Name	replication stress response regulator SDE2
NCBI Official Symbol	SDE2
NCBI Official Synonym Symbols	C1orf55
UniProt Protein Name	Replication stress response regulator SDE2
Protein Family	Protein
UniProt Gene Name	SDE2
NCBI Protein Information	replication stress response regulator SDE2
UniProt Comments for SDE2	Involved in both DNA replication and cell cycle control. Unprocessed SDE2 interacts with PCNA via its PIP-box. The interaction with PCNA prevents monoubiquitination of the latter thereby inhibiting translesion DNA synthesis. The binding of SDE2 to PCNA also leads to processing of SDE2 by an unidentified deubiquinating enzyme, cleaving off the N-terminal ubiquitin-like domain. The resulting mature SDE2 is degraded by the DCX(DTL) complex in a cell cycle- and DNA damage dependent manner. Binding of SDE2 to PCNA is necessary to counteract damage due to ultraviolet light induced replication stress. The complete degradation of SDE2 is necessary to allow S-phase progression.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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