

Recombinant Human UV excision repair protein RAD23 homolog A(RAD23A)

Catalog No: #AP70698

Package Size: #AP70698-1 20ug #AP70698-2 100ug #AP70698-3 1mg

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Description

Product Name	Recombinant Human UV excision repair protein RAD23 homolog A(RAD23A)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-363aaSequence Info:Full Length
Accession No.	P54725
Calculated MW	66.6 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MAVTITLKLQQQTFKIRMEPDET VKVLKEKIEAEKGRDAFPVAGQKLIYAGKILSDDVPIRDYRIDEKNFVVMV TKTKAGQGTSAPPEASPTAAPESSTSFPPAPTSGMSHPPPAAREDKSPSEESAPTTSPESVSGSVPSSGSSG REEDAASLTVTGSEYETMLTEIMSMGYERERVVAALRASYNPNPHRAVEYLLTGIPGSPEPEHGSVQESQVSE QPATEAAGENPLEFLRDQPQFQNMQRQVIQNPALLPALLQQLGQENPQLLQQISRHQEQFIQMLNEPPGELA DISDVEGEVGAIGEEAPQMNYIQVTPQEKEAIERLKALGFPELSVIQAYFACEKNENLAANFLLSQNFDDDE
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Multiubiquitin chain receptor involved in modulation of proteasomal degradation. Binds to 'Lys-48'-linked polyubiquitin chains in a length-dependent manner and with a lower affinity to 'Lys-63'-linked polyubiquitin chains. Proposed to be capable to bind simultaneously to the 26S proteasome and to polyubiquitinated substrates and to deliver ubiquitinated proteins to the proteasome.Involved in nucleotide excision repair and is thought to be functional equivalent for RAD23B in global genome nucleotide excision repair (GG-NER) by association with XPC. In vitro, the XPC:RAD23A dimer has NER activity. Can stabilize XPC.Involved in vpr-dependent replication of HIV-1 in non-proliferating cells and primary macrophages. Required for the association of HIV-1 vpr with the host proteasome.

References

Components of the ubiquitin-proteasome pathway compete for surfaces on Rad23 family proteins.Goh A.M., Walters K.J., Elsasser S., Verma R., Deshaies R.J., Finley D., Howley P.M.BMC Biochem. 9:4-4(2008)Research Topic:Epigenetics and Nuclear Signaling

Note: This product is for in vitro research use only and is not intended for use in humans or animals.