

# BioActive Human ATR deletion Recombinant Protein, Fc Tag

Catalog Number:SGRP00662

DESCRIPTION	
Product Name	BioActive Human ATR deletion Recombinant Protein, Fc Tag
Gene Name	ATR
Source	Full length Human ATR oncogenic mutation, expressed in HEK293 cells.
Alternative names	
SPECIFICATIONS	
Biological Activity	Fully biologically active
Purity	> 95% by SDS-PAGE & HPLC
Endotoxin Level	< 1.0 EU per µg protein as determined by the LAL method
Expression System	HEK293 Cells
Format	Recombinant
Species	Human
Predicted MW	
Actual MW	
Applications	Sandwich ELISA Functional Studies Mass Spectrometry SDS-PAGE HPLC
Form	Lyophilized from sterile PBS, pH 7.45
Concentration	N/A
Stability and Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Reconstitute with Phosphate Buffered Saline.
BACKGROUND	
Gene Accession	Q13535
Gene Alias	Protein names Recommended name Serine/threonine-protein kinase ATR EC number EC:2.7.11.1 (UniProtKB   ENZYME   Rhea) Alternative names Ataxia telangiectasia and Rad3-related protein FRAP-related protein 1 Gene names Name ATR Synonyms FRP1
Background	Deletion of ATR causes loss of DNA damage checkpoint responses and cell death; controls S-phase checkpoint. ATR deletion leads to hair graying, alopecia, kyphosis and osteoporosis. ATR deletion following TAM treatment leads to pervasive hair graying and patchy hair loss and kyphosis in ATRmKO mice. ATR deletion in postmitotic neurons does not compromise brain development and formation.



**Seattle Genova**

Tel: +1 (425) 247-3088 Fax: +1 (425) 650-9990

Email: [info@seattle-genova.com](mailto:info@seattle-genova.com) Web: [www.seattle-genova.com](http://www.seattle-genova.com)

Address: 18110 SE 34TH ST STE 455, Vancouver, WA 98683

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