

Recombinant Human Holliday junction recognition protein(HJURP)

Catalog No: #AP70393

Package Size: #AP70393-1 20ug #AP70393-2 100ug #AP70393-3 1mg

Description

Product Name	Recombinant Human Holliday junction recognition protein(HJURP)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-748aaSequence Info:Full Length
Other Names	14-3-3-associated AKT substrateFetal liver-expressing gene 1 proteinUp-regulated in lung cancer 9
Accession No.	Q8NCD3
Calculated MW	99.5 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MLGTLRAMEGEDVEDDQLLQKLASRRRFQRRMQRLIEKYNQPFEDTPVVQMATLTYETPQGLRIWGGRLIK ERNEGEIQDSSMKPADRTDGSVQAAAWGPELPSHRTVLGADSKSGEVDATSDQEESVAWALAPAVPQSPLK NELRRKYLTQVDILLQGAIEYFECAGNRAGRDRVTPLPSLASPAVPAGYCSRISRKSPGDPAPKPASSPREW DPLHPSSTDMALVPRNDSLQETSSSSFLSSQPFEDDDICNVITISDLYAGMLHSMRLLSTKPSIISTKTIFIM QNWNSRRRHRYKSRMNKTYCKGARRSQRSSKENFIPCSEPVKGTGALRDCKNVLDVSCRKTGLKLEKAFLE VNR PQIHKLDPSWKERKVTSPKYSSLIYFDSSATYNLDEENRFTLKWLI SPVKIVSRPTIRQGHGENRQREIEI RFDQLHREYCLSPRNQPRRMCLPDSWAMNMYRGGPASPGLQGLETRRLSLPSSKAKAKSLSEAFENLGK RSLEAGRCLPKSDSSSSLPKTNPTH SATRPQQTSDLHVQGNSSGIFRKS SVSPSKTLSVPDKEVPGHGRNRYD EIKEEFDKLHQKYCLKSPGQMTVPLCIGVSTDKASMEVRYQTEGFLGKLNPDHPHFQGFQKLPSPLGCRKSLL GSTAIEAPSSSTCVARAITRDGTRDHQFPAKRPRLSEPQSGSRQGNLSLGASDGDVNTVRPGDQGSSSQPNSE ERGENTSYRMEEKSDFMLEKLETKSV
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

Centromeric protein that plays a central role in the incorporation and maintenance of histone H3-like variant CENPA at centromeres. Acts as a specific chaperone for CENPA and is required for the incorporation of newly synthesized CENPA molecules into nucleosomes at replicated centromeres. Prevents CENPA-H4 tetramerization and prevents premature DNA binding by the CENPA-H4 tetramer. Directly binds Holliday junctions.

References

System-wide temporal characterization of the proteome and phosphoproteome of human embryonic stem cell differentiation.Rigbolt K.T., Prokhorova T.A., Akimov V., Henningsen J., Johansen P.T., Kratchmarova I., Kassem M., Mann M., Olsen J.V., Blagoev B.Sci. Signal. 4:RS3-RS3(2011)Research Topic:Cell Cycle

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