

Recombinant Human WD repeat-containing protein 5(WDR5)

Catalog No: #AP70915

Package Size: #AP70915-1 20ug #AP70915-2 100ug #AP70915-3 1mg

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant Human WD repeat-containing protein 5(WDR5)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-334aaSequence Info:Full Length
Other Names	BMP2-induced 3-kb gene protein
Accession No.	P61964
Calculated MW	52.5 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	ATEEKKPETEAARAQPTPSSSATQSKPTVPKPNYALKFTLAGHTKAVSSVKFSPNGEWLASSSADKLIKIWGA YDGKFEKTISGHKLGISDVAVSSDSNLLVSASDDKTLKIWDVSSGKCLKTLKGHSNYVFCCNFNPQSNLIVSG SFDESVRIWDVKTGKCLKTLPAHSDPVSAVHFNRDGLIVSSSYDGLCRIWDTASGQCLKTLIDDDNPPVSVFV KFSPNGKYILAATLDNTLKLWDYSKGKCLKTYTGHKNEKYCIFANFSVTGGKWIVSGSEDNLVYIWNLQTKIIV QKLQGHTDVVISTACHPTENIIASAALENDKTIKLWKSDC
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

Contributes to histone modification. May position the N-terminus of histone H3 for efficient trimethylation at 'Lys-4'. As part of the MLL1,MLL complex it is involved in methylation and dimethylation at 'Lys-4' of histone H3. H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation. As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues. May regulate osteoblasts differentiation.

References

Structure of WDR5 bound to mixed lineage leukemia protein-1 peptide.Patel A., Dharmarajan V., Cosgrove M.S.J. Biol. Chem. 283:32158-32161(2008)Research Topic:Transcription

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