

Recombinant human S-arrestin

Catalog No: #AP72769



Package Size: #AP72769-1 20ug #AP72769-2 100ug #AP72769-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant human S-arrestin
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-405aaSequence Info:Full Length
Other Names	48KDA protein Retinal S-antigen Short name: S-AG Rod photoreceptor arrestin
Accession No.	P10523
Uniprot	P10523
GeneID	6295;
Calculated MW	47.1 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MAASGKTSKSEPNIHVIFKKISRDKSVTIYLGNRDYIDHVSQVQPVDGVVLVDPDLVKGKKVYVTLTCAFRYQGE DIDVIGLTFRRDLYFSRVQVYPPVGAASTPTKLQESLLKLGNSNTYPFLLTFPDYLPCSVMLQPAPQDSGKSCG VDFEVKAFATDSTDAEEDKIPKSSVRLIRKQVHAPLEMGPQPRAEAAWQFFMSDKPLHLAVSLNKEIYFHG EPIPVTVTVTNNEKTVKKIKAFVEQVANVLYSSDYVYKPVAMEEAQEKVPPNSTLTKTLTLLPLLANNRERR GIALDGKIKHEDTNLASSTIIKEGIDRTVLGILVSYQIKVCLTVSGFLGELTSSSEVATEVPFRLMHPQPEDPAKESY QDANLVFEEFARHNLKDAGEAEEGKRDKNDVDE
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

Arrestin is one of the major proteins of the ros (retinal rod outer segments); it binds to photoactivated-phosphorylated rhodopsin, thereby apparently preventing the transducin-mediated activation of phosphodiesterase.

References

"The sequence of human retinal S-antigen reveals similarities with alpha-transducin."Yamaki K., Tsuda M., Shinohara T.FEBS Lett. 234:39-43(1988)Research Topic:Signal Transduction

Note: This product is for in vitro research use only