

Recombinant human Protein atonal homolog 1

Catalog No: #AP71450



Package Size: #AP71450-1 20ug #AP71450-2 100ug #AP71450-3 1mg

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Description

Product Name	Recombinant human Protein atonal homolog 1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-354aaSequence Info:Full Length
Other Names	Class A basic helix-loop-helix protein 14 ;bHLHa14Helix-loop-helix protein hATH-1 ;hATH1
Accession No.	Q92858
Uniprot	Q92858
GeneID	474;
Calculated MW	54.2 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MSRLLHAEWEAEVKELGDHHRQPQPHLPQPPPPQPPATLQAREHPVYPPELSSLDSTDPRAWLAPTLQGI CTARAAQYLLHSPELGASEAAAPRDEVDGRGELVRRSSGGASSKSPGPVKVREQLCKLKGGVVDELGCS RQRAPSSKQVNGVQKQRRLAANARERRRMHGLNHAFDQLRNVIPSFNNDKKLSKYETLQMAQIYINALSELL QTPSGGEQPPPPASCKSDHHHLRTAASYEGGAGNATAAGAQQASGGQRPTPPGSCRTRFSAPASAGGY SVQLDALHFSTFEDSALTAMMAQKNLSPSLPGSILQPVEENSKTSPRSHRSDGEFSPHSHYSDSDEAS
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

Transcriptional regulator. Activates E box-dependent transcription in collaboration with TCF3,E47, but the activity is completely antagonized by the negative regulator of neurogenesis HES1. Plays a role in the differentiation of subsets of neural cells by activating E box-dependent transcription .

References

Evolutionary conservation of sequence and expression of the bHLH protein Atonal suggests a conserved role in neurogenesis.Ben-Arie N., McCall A.E., Berkman S., Eichele G., Bellen H.J., Zoghbi H.Y.Hum. Mol. Genet. 5:1207-1216(1996)Research Topic:Developmental Biology

Note: This product is for in vitro research use only