

Recombinant human Soluble calcium-activated nucleotidase 1

Catalog No: #AP72203

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Package Size: #AP72203-1 20ug #AP72203-2 100ug #AP72203-3 1mg

Description

Product Name	Recombinant human Soluble calcium-activated nucleotidase 1
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:80-397aaSequence Info:Partial
Other Names	Apyrase homologPutative MAPK-activating protein PM09Putative NF-kappa-B-activating protein 107
Accession No.	Q8WVQ1
Uniprot	Q8WVQ1
GeneID	124583;
Calculated MW	39.4 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	<p> GQAPANWYNDTYPLSPPQRTYPAGIRYRIAVIADLDTESRAQEENTWFSYLKKGYLTLSDSGDKVAVEWDKDH GVLESHLAEKGRGMELSDLIVFNGLYSDVDDRTGVVYQIEGSKAVPWWILSDGDGTVEKGFKAEWLAVKDERL YVGGLGKEWTTTTGDVVNENPEWVKVVGKGSVDHENWVSNYNALRAAAGIQPPGYLIHESACWSDTLQR WFFLPRRASQERYSEKDDERKGANLLLSASPDFGDIASHVGVAVVPHGFFSSFKFIPNTDDQIIVALKSEEDSG RVASYIMAFTLDGRFLLPETKIGSVKYEG </p>
Formulation	Tris-based buffer50% glycerol
Storage	<p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>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.</p>

Background

Calcium-dependent nucleotidase with a preference for UDP. The order of activity with different substrates is UDP > GDP > UTP > GTP. Has very low activity towards ADP and even lower activity towards ATP. Does not hydrolyze AMP and GMP. Involved in proteoglycan synthesis.

References

Cloning, expression, and characterization of a soluble calcium-activated nucleotidase, a human enzyme belonging to a new family of Extracellular domain nucleotidases.Smith T., Hicks-Berger C., Kim S., Kirley T.Arch. Biochem. Biophys. 406:105-115(2002)Research Topic:Epigenetics and Nuclear Signaling

Note: This product is for in vitro research use only