

Recombinant Human ADORA3

Cat. No. ADORA3-26898TH Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant fragment corresponding to amino acids 121-225 of Human Adenosine A3 Receptor with N terminal proprietary tag; predicted MW: 37.18 kDa, inclusive of tag. P33765, AAH29831.

Species Human

Source Wheat Germ

ProteinLength 105 amino acids

Description This gene encodes a protein that belongs to the family of adenosine receptors, which are G-protein-coupled receptors that are involved in a variety of intracellular signaling pathways and physiological functions. The receptor encoded by this gene mediates a sustained cardioprotective function during cardiac ischemia, it is involved in the inhibition of neutrophil degranulation in neutrophil-mediated tissue injury, it has been implicated in both neuroprotective and neurodegenerative effects, and it may also mediate both cell proliferation and cell death. Multiple transcript variants encoding different isoforms have been found for this gene.

Molecular Weight 37.180kDa inclusive of tags

Form Liquid

Purity Proprietary Purification

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Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	VTTHRRWLALGLCWLVSFLVGLTPMFGWNMHLTSEYHRN VTFLSCQFVSVMRMD YMVYFSFLTWIFIPLVVMCAIYLDI FYIIRNKLSLNLNSKETGAFYGRE
Sequence Similarities	Belongs to the G-protein coupled receptor 1 family.

GENE INFORMATION

Gene Name	ADORA3 adenosine A3 receptor [Homo sapiens]
Official Symbol	ADORA3
Synonyms	ADORA3; adenosine A3 receptor; adenosine receptor A3; AD026;
Gene ID	140
mRNA Refseq	NM_000677
Protein Refseq	NP_000668
MIM	600445
Uniprot ID	P33765
Chromosome Location	1p21-p13

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Pathway

Adenosine P1 receptors, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; G alpha (i) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem;

Function

G-protein coupled adenosine receptor activity; receptor activity; signal transducer activity;

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