

Recombinant Mouse CD73/NT5E Protein (His Tag)

Catalog Number: PKSM041234

Note: Centrifuge before opening to ensure complete recovery of vial contents.

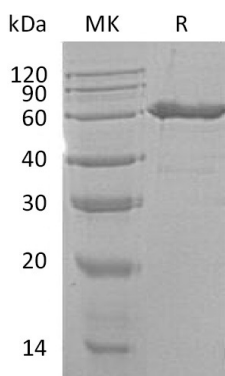
Description

Species	Mouse
Source	HEK293 Cells-derived Mouse CD73/NT5E protein Trp29-Phe550, with an C-terminal His
Calculated MW	58.8 kDa
Observed MW	60 kDa
Accession	Q61503
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 120mM NaCl, 4mM CaCl ₂ , 20% Glycerol, pH 7.5.

Data



Background

Mouse CD73 is a glycosyl phosphatidylinositol (GPI) anchored membrane protein that belongs to the 5'-nucleotidase family. CD73 is an ecto 5'Nucleotidase expressed by most cell types. CD73 hydrolyzes extracellular nucleotides into membrane permeable nucleosides. CD73 is one of several enzymes responsible for the production of extracellular adenosine, a signaling molecule that is involved in responses to inflammation and tissue injury. CD73 is a lymphocyte maturation marker that has functions independent of its catalytic activity. CD73 is also a regulator of leukocyte extravasation, a function that requires its 5'Nucleotidase activity. CD73 has also been reported to regulate expression of pro-inflammatory molecules in mouse endothelium.

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