

CD73/5'-Nucleotidase Protein, Mouse (HEK293, His)

Cat. No.:	HY-P7448
Synonyms:	rMuCD73, His; 5'-Nucleotidase; NT5E; CD-73
Species:	Mouse
Source:	HEK293
Accession:	Q61503 (W29-F550)
Gene ID:	23959
Molecular Weight:	Approximately 60.0 kDa

PROPERTIES

AA Sequence

WELTILHTND	VHSRLEQTS D	DSTKCLNAS L	CVGGVARLFT
KVQQIRKEEP	NVLF LDAGDQ	YQGTIWFTVY	KGLEVAHFMN
ILGYDAMALG	NHEFDNGVEG	LIDPLLRNVK	FPILSANIKA
RGPLAHQISG	LFLPSKVLSV	GGEVVGIVGY	TSKETPFLSN
PGTNLVFEDE	ISALQPEVDK	LKTLNVNKII	ALGHSGFEMD
KLIAQKVRGV	DIVVGGHSNT	FLYTGNNPPSK	EVPAGKYPI
VTADDGRQVP	VVQAYAFGKY	LGYLKVEFDD	KGNVITSYGN
PILLNSSIPE	DATIKADINQ	WRIKLDNYST	QELGRTIVYL
DGSTQTCRFR	ECNMGNLICD	AMINNNLRHP	DEMFWNHVSM
CIVNGGGIRS	PIDEKNNGTI	TWENLA AVL P	FGGTFDLVQL
KGSTLKKAFE	HSVHRYGQST	GEFLQVGGIH	VVYDINRKPW
NRVVQLEVL C	TKCRVPIYEP	LEMDKVYKVT	LPSYLANGGD
GFQM IKDELL	KHDSGDQDIS	VVSEYISKMK	VVYPAVEGRI
KF			

Appearance Solution.

Formulation Supplied as a 0.2 µm filter solution of 20 mM Tris-HCl, 120mM NaCl, 4 mM CaCl₂, 20% Glycerol, pH 7.5.

Endotoxin Level <1 EU/µg, determined by LAL method.

Reconstitution N/A

Storage & Stability Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.

Shipping Shipping with dry ice.

DESCRIPTION

Background

CD73 is a glycosyl-phosphatidylinositol (GPI)-linked 70-kDa cell surface enzyme found in most tissues. CD73, originally defined as a lymphocyte differentiation antigen, is thought to function as a co-signaling molecule on T lymphocytes and as an adhesion molecule that is important for lymphocyte binding to endothelium^[2].

REFERENCES

- [1]. Bin Zhang. CD73 promotes tumor growth and metastasis. *Oncoimmunology*. 2012 Jan 1; 1(1): 67–70.
- [2]. Bin Zhang. CD73: A novel target for cancer immunotherapy. *Cancer Res*. 2010 Aug 15; 70(16): 6407–6411.
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Caution: Product has not been fully validated for medical applications. For research use only.

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