

Human Eosinophil cationic protein(ECP) Recombinant Protein

PX-P3057-10

DESCRIPTION

The eosinophil cationic protein (ECP) also known as ribonuclease 3 is a protein based in the eosinophil primary matrix. In humans, the eosinophil cationic protein is encoded by the RNASE3 gene. It is one of the mediators released during eosinophil activation. These cells are effector cells taking part into the Th2-lymphocyte dependent allergic inflammation. If patients have an allergic inflammation (for example asthma and rhinitis), ECP concentrations in the body increase. It is important to measure ECP levels for the diagnosis of various diseases where an eosinophil-mediated tissue inflammation plays a role.

OVERVIEW

SIZE	10 ug
ORIGIN SPECIES	Human
FRAGMENT	
PROTEIN DELIVERED WITH TAG	Yes
MOLECULAR WEIGHT WITH TAG IF ANY	44.53 kDa
DELIVERY CONDITION	Dry Ice

PRODUCT INFORMATION

EXPRESSION SYSTEM	Eukaryotic expression
HOST	mammalian
PURITY	90%
PROTEIN ACCESSION	
FORM	Frozen
BUFFER	PBS,pH 7.5
STABILITY & STORAGE	4°C for short term (1 week), -20°C or -80°C for long term (avoid freezing/thawing cycles; addition of 20-40% glycerol improves cryoprotection)



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MORE INFO

GENE ID

SWISSPROTID

UNIPROT ID P12724

UNIPROT LINK <http://www.uniprot.org/uniprot/P12724>

NCBI GENE ALIASES

SYNONYMS Rnase-A3, RnaseA3, ECP, RNS3, Ribonuclease, RNase A Family 3, Eosinophil Cationic Protein

PROTEIN SEQUENCE

MVPKLFTSQICLLLLGLMGVEGSLHARPPQFTRAQWFIAIQHISLNPPRCTIAMRAINNYRWRCKNQNTFLRRTTFANVVNVCGNQSIRCPHNRTLNNCHRSRFRVP
LLHCDLINPGAQNISNCRYADRPGRRFYVACDNRDPRDSPRYVVPVHLDTTIDDDDKDKTHTCPCPAPELLGGPSVFLFPPKPKDQLMISRTPEVTCVVVDVS
HEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLH

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