Recombinant human IL-4R alpha/IL4R protein

Catalog Number: ATGP3710

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
26-232aa

UniProt No.
P24394

NCBI Accession No.
NP_000409

Alternative Names
Interleukin 4 receptor subunit alpha isoform, IL4R, CD124, IL-4RA, IL4RA, IL-4 receptor subunit alpha; IL-4R subunit alpha

PRODUCT SPECIFICATION

Molecular Weight
24.7 kDa (215aa)

Concentration
0.25mg/ml (determined by BCA assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4)

Purity
> 95% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
IL4R, also known as interleukin 4 receptor subunit alpha isoform, is a pleiotropic cytokine produced by T lymphocytes. It plays an important role in immune responsiveness by regulating proliferation and differentiation of a variety of lymphoid and myeloid cells via binding to high affinity receptors. It markedly inhibits IL-1

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production by highly purified normal human monocytes. It has been demonstrated to affect the growth of different human malignancies including pancreatic cancer cells. It plays an important role in Th2-biased immune responses, alternative macrophage activation, mucosal immunity, allergic inflammation, tumor progression, and atherogenesis. Recombinant human IL4R, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

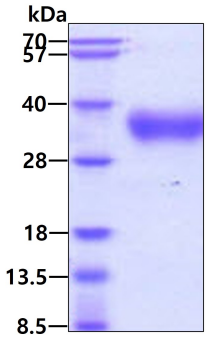
MKVLQEPTCV SDYMSISTCE WKMNGPTNCS TELRLLYQLV FLLSEAHTCI PENNGGAGCV CHLLMDDVVS ADNYTLDLWA GQQLLWKGSF KPSEHVKPRA PGNLTVHTNV SDTLLLTWSN PYPPDNYLYN HLTYAVNIWS ENDPADFRIY NVTYLEPSLR IAASTLKSGI SYRARVRAWA QCYNTTWSEW SPSTKWHNSY REPFEQH<LEH HHHHH>

General References

Traub B., et al. (2017) Int J Mol Sci. 18.
Idzerda RL., et al. (1990) J Exp Med. 171:861-873.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.