

Recombinant human DAP10/HCST protein

Catalog Number: ATGP3745

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

20-48aa

UniProt No.

Q9UBK5

NCBI Accession No.

NP_055081

Alternative Names

Hematopoietic cell signal transducer isoform 1, HCST, DAP10, KAP10, PIK3AP

PRODUCT SPECIFICATION

Molecular Weight

30.1 kDa (271aa)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

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

Tag

hIgG-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

HCST, also known as hematopoietic cell signal transducer isoform 1, is a member of the DAP10 family. It can be part of an immunoreceptor complex. This receptor plays an important role in inducing cytotoxicity against MHC class I chain-associated MICA and target cells expressing cell surface ligands such as MICB and UL16-binding protein (ULBP). This receptor complex can play a role in cell survival and proliferation by activation of NK and T

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cell responses. Recombinant human HCST, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

<ADP>TTPGERS SLPAFYPGTS GSCSGCGSLS LP<LEPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV
VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ
PREPQVYTL PPSRDELTKNQ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV
FSCSVMHEAL HNHYTQKSLS LSPGKHHHHH H>

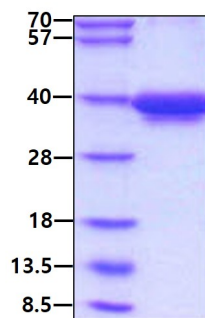
General References

Karimi M., et al. (2006) J Immunol. 175:7819-7828.

Andre P., et al. (2004) Eur J Immunol. 34:961-971.

DATA

SDS-PAGE



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