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32-13256: HCST Human

Alternative Name :	Hematopoietic Cell Signal Transducer, DNAX-Activation Protein 10, Phosphoinositide-3-Kinase Adaptor Protein, Transmembrane Adapter Protein KAP10, Kinase Assoc Pro Of ~10kDa, Membrane Protein DAP10, PIK3AP, DAP10, KAP10, Kinase Assoc Protein.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
HCST (Hematopoietic Cell Signal Transducer) is part of the DAP10 family. HCST is capable of being a part of an immunoreceptor complex. HCST takes a vital part in inducing cytotoxicity against MHC class I chain-associated MICA & target cells expressing cell surface ligands such as UL16-binding protein (ULBP) & MICB. HCST complex participates in proliferation as well as cell survival by activating T & NK cell responses.
HCST produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 271 amino acids (20-48 a.a.) and having a molecular mass of 30.1kDa. (Molecular size on SDS-PAGE will appear at approximately 28-40kDa).HCST is expressed with a 242 amino acid hIgG-His-tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	HCST protein solution (1mg/ml) contains 10% glycerol & Phosphate Buffered Saline (pH 7.4).
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	ADPTTPGERS SLPAFYPGTS GSCSGCGSLS LPLEPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLP PSRDELTKNQÂ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMHEAL HNHYTQKSLS LSPGKHHHHH H.