Recombinant Human RIDA/HRSP12 Protein (His Tag)

Catalog Number: PKSH032526

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

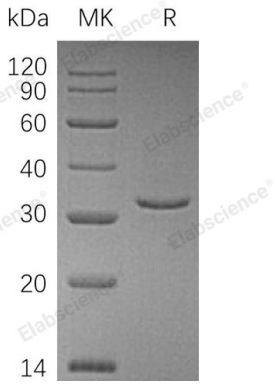
Description

Species	Human
Source	E.coli-derived Human RIDA;HRSP12 protein Met 1-Leu137, with an N-terminal His
Mol_Mass	16.7 kDa
Accession	P52758
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 100mM NaCl, 1mM DTT, 10% Glycerol, pH 8.0.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Heat-Responsive Protein 12 (HRSP12) is an endoribonuclease that belongs to the Rut family. HRSP12 is found mainly in the human adult kidney and liver and is responsible for inhibiting protein translation by cleaving mRNA. HRSP12 only cleaves phosphodiester bonds in single-stranded RNA and inhibits cell-free protein synthesis. The levels of both mRNA and protein are markedly reduced in heptatocellular tumors and in human hepatoma cell lines compared with normal liver tissues. Moreover the levels of HRSP12 are different depending on the grade of the tumor. This had led to the suggestion that HRSP12 may be an important biomarker for heptatic carcinoma.