

Recombinant Human ARAP2, His-tagged

Cat. No. ARAP2-9791H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ARAP2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-349a.a.
Description	The protein encoded by this gene contains ARF-GAP, RHO-GAP, ankyrin repeat, RA S-associating, and pleckstrin homology domains. The protein is a phosphatidylinositol (3,4,5)-trisphosphate-dependent Arf6 GAP that binds RhoA-GTP, but it lacks the predicted catalytic arginine in the RHO-GAP domain and does not have RHO-GAP activity. The protein associates with focal adhesions and functions downstream of RhoA to regulate focal adhesion dynamics.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name	ARAP2 ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2 [Homo
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	sapiens]
Official Symbol	ARAP2
Synonyms	ARAP2; ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2; centaurin, delta 1 , CENTD1; arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 2; PARX; cnt-d1; centaurin-delta-1; centaurin, delta 1; Arf and Rho GAP adapter protein 2; CENTD1; FLJ13675; FLJ44916; KIAA0580;
Gene ID	116984
mRNA Refseq	NM_015230
Protein Refseq	NP_056045
MIM	606645
UniProt ID	Q8WZ64
Chromosome Location	4p15.1
Pathway	Arf6 signaling events, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Rho GTPase cycle, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by Rho GTPases, organism-specific biosystem;
Function	ARF GTPase activator activity; metal ion binding; phosphatidylinositol-3,4,5-trisphosphate binding; zinc ion binding;