

## HRAS

### Recombinant Human GTPase HRas, Q61L mutation

<b>Catalog No.</b>	CSI11662	<b>Quantity:</b>	50 µg
<b>Alternate Names:</b>	Harvey rat sarcoma viral oncogene homolog, H-Ras-1, Transforming protein p21, p21ras		
<b>Description:</b>	Ras proteins are members of the superfamily of small GTP-binding proteins that function as molecular switches controlling a variety of signaling and transport pathways. HRas is one of the classic human Ras proteins (H-, N-, KRas4A, and K-Ras4B).  The mutation Q61L results in a decreased GTPase activity as well as increased GDP/GTP exchange. This mutant constitutively activates the Ras-signaling pathway, which leads to increase cell growth. Protein preparation is 77% GDP- and 23% GTP-loaded, measured by HPLC.		
<b>UniProt ID:</b>	P01112		
<b>Gene ID:</b>	3265		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	21.3 kDa (189 amino acids)		
<b>Formulation:</b>	64 mM Tris-HCl, 10 mM MgCl <sub>2</sub> , 5 mM DTE, pH 7.2		
<b>Purity:</b>	> 95% by SDS-PAGE		
<b>Storage &amp; Stability:</b>	Store at -80°C for up to 1 year. Upon initial thaw, prepare aliquots and store at -80°C. <b>Avoid freeze / thaw cycles.</b>		

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