

Recombinant Full Length Human CASTOR1 Protein, C-Flag-tagged

Cat. No. CASTOR1-1730HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CASTOR1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Enables arginine binding activity and identical protein binding activity. Involved in cellular response to L-arginine and negative regulation of TORC1 signaling. Located in cytosol. Colocalizes with GATOR2 complex.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	36.1 kDa
AA Sequence	MELHILEHRVRVLSVARPGLWLYTHPLIKLLFLPRRSRCKFFSLTETPEDYTLMVDEE GFKELPPSEFLQ VAEATWLVLNVSSHSGAAVQAAGVTKIARSVIAPLAHHVSVLML STYQTDFILVREQDLSVVIHTLAQE FDIYREVGGEPVPVTRDDSSNGFPRTQHGPSP TVHPIQSPQNRFCVLTLPETLPAIATTLIDVLFYSHS TPKEAASSSPEPSSITFFAFSL IEGYISIVMDAETQKKFPSDLLLTSSSGELWRMVRIGGQPLGFDECGI VAQIAGPLAAADISAYYISTFNFHDHALVPEDGIGSVIEVLQRRQEGLASTRTRPLEQKL ISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

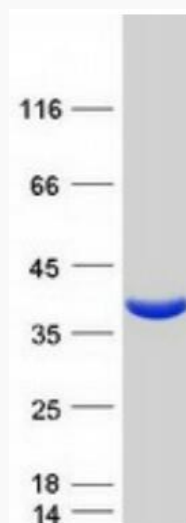
GENE INFORMATION

Gene Name	CASTOR1 cytosolic arginine sensor for mTORC1 subunit 1 [Homo sapiens (human)]
Official Symbol	CASTOR1
Synonyms	GATSL3
Gene ID	652968
mRNA Refseq	NM_001037666.3
Protein Refseq	NP_001032755.1
MIM	617034
UniProt ID	Q8WTX7

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Coomassie blue staining of purified CASTOR1 protein.

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