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## Product Data Sheet

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Product Name: CHAC2 Human

Cat. No.: GP23138

Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ChaC Cation Transport Regulator Homolog 2 (E. Coli); ChaC Cation Transport Regulator-Like 2 (E. Coli); Gamma-GCT Acting On Glutathione Homolog 2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMWVFGYG SLIWKVDFPY QDKLVGYITN YSRRFWQGST DHRGVPGKPG RVVTLVEDPA GCVWGVAYRL PVGKEEEVKA YLDFREKGGY RTTTFVIFYPK DPTTKPFSVL LYIGTCDNPD YLGPAPLEDI AEQIFNAAGP SGRNTEYLF E LANSIRNLVP EEADEHLFAL EKLVKERLEG KQNLNCI		
Formulation	The CHAC2 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 100mM NaCl and 10% glycerol.		

**Introduction**

Cation transport regulator-like protein 2 (CHAC2) is a member of the chaC family. Catalyzes the cleavage glutathione into 5-oxoproline and a Cys-Gly dipeptide. Acts specifically on glutathione, but not on other gamma-glutamyl peptides.

**Stability**

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.

**Background**

CHAC2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 207 amino acids (1-184) and having a molecular mass of 23.3 kDa. CHAC2 is fused to a 23 amino acid His-tag at N-terminus.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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