

## Recombinant Human CHAC2, His-tagged

**Cat. No.** CHAC2-5016H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human CHAC2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                           |
| <b>Description</b>      | CHAC2, also known as cation transport regulator-like protein 2, belongs to the chaC family.                                                                                                                                                      |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT                                                                                                                                                             |
| <b>Molecular Mass</b>   | 23.3 kDa (207aa) confirmed by MALDI-TOF                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MGSSHHHHHH SGLVPRGSH MGSMWVFGYG SLIWKVDFPY QDKLVGYITN<br>YSRRFWQGST DHRGVPGKPG RVVTLVEDPA GCVWGVAYRL PVGKEEEVKA<br>YLDFREKGGY RTTTFVIFYPK DPTTKPFSLV LYIGTCNDPD YLGPAILEDI<br>AEQIFNAAGP SGRNTEYLF E LANSIRNLVP EEADEHLFAL EKLVKERLEG<br>KQNLNCI |
| <b>Purity</b>           | >90% by SDS - PAGE                                                                                                                                                                                                                               |
| <b>Applications</b>     | SDS-PAGE                                                                                                                                                                                                                                         |

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|                |                                                                                                                                                                               |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b> | Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles. |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                      |                                          |
|----------------------|------------------------------------------|
| <b>Concentration</b> | 0.5 mg/ml (determined by Bradford assay) |
|----------------------|------------------------------------------|

## GENE INFORMATION

|                  |                                                                                     |
|------------------|-------------------------------------------------------------------------------------|
| <b>Gene Name</b> | CHAC2 ChaC, cation transport regulator homolog 2 (E. coli) [ Homo sapiens (human) ] |
|------------------|-------------------------------------------------------------------------------------|

|                        |       |
|------------------------|-------|
| <b>Official Symbol</b> | CHAC2 |
|------------------------|-------|

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|-----------------|-----------------------------------------------------------------------------------------|
| <b>Synonyms</b> | CHAC2;cation transport regulator-like protein 2;ChaC, cation transport regulator-like 2 |
|-----------------|-----------------------------------------------------------------------------------------|

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| <b>Gene ID</b> | 494143 |
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| <b>mRNA Refseq</b> | NM_001008708.2 |
|--------------------|----------------|

|                       |                |
|-----------------------|----------------|
| <b>Protein Refseq</b> | NP_001008708.1 |
|-----------------------|----------------|

|                   |        |
|-------------------|--------|
| <b>UniProt ID</b> | Q8WUX2 |
|-------------------|--------|

|                            |      |
|----------------------------|------|
| <b>Chromosome Location</b> | 2p16 |
|----------------------------|------|

|                 |                    |
|-----------------|--------------------|
| <b>Function</b> | molecular_function |
|-----------------|--------------------|

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