

## Recombinant Human Tryptase alpha/beta Protein

| Catalog #                 | Source  | Reactivity | Applications        |
|---------------------------|---|------------|---------------------|
| CRP2833                   | Human cells   | Human      | E, WB, SDS-PAGE, MS |
| <b>Description</b>        | Recombinant Human Tryptase alpha/beta Protein is produced by mammalian expression system and the target gene encoding Ile31-Pro275 is expressed with a 6His tag at the C-terminus.  |            |                     |
| <b>Form</b>               | Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.   |            |                     |
| <b>Gene Symbol</b>        | TPSAB1  |            |                     |
| <b>Alternative Names</b>  | TPS1; TPS2; TPSB1; Tryptase alpha/beta-1; Tryptase-1; Tryptase I; Tryptase alpha-1  |            |                     |
| <b>Entrez Gene</b>        | 7177 (Human)  |            |                     |
| <b>SwissProt</b>          | Q15661 (Human)  |            |                     |
| <b>Purity</b>             | Greater than 95% as determined by reducing SDS-PAGE.  |            |                     |
| <b>Chemical Structure</b> | IVGGQEAPRS KWPWQVSLRV RDRYWMHFCG GSLIHPQWVL TAAHCLGPDV<br>KDLATLRVQL REQHLYYQDQ LLPVSRIIVH PQFYIIQTGA DIALLELEEP VNISSRVHTV<br>MLPPASETFP PGMPCWVTGW GDVDNDEPLP PPFPLKQVKV PIMENHICDA<br>KYHLGAYTGD DVRIIRDML CAGNTRRDSC QGDSGGPLVC KVNGTWLQAG<br>VVSWDEGCAQ PNRPGIYTRV TTYLDWIHHY VPKKPVDHHH HHH |            |                     |
| <b>Quality Control</b>    | Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.  |            |                     |
| <b>Directions for Use</b> | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH <sub>2</sub> O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.        |            |                     |
| <b>Storage/Stability</b>  | Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.   |            |                     |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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