

## Product datasheet for BA630

### Trypsin-1 / PRSS1 Human Protein

#### Product data:

Product Type:	Native Proteins
Description:	Trypsin-1 / PRSS1 human protein, 0.1 mg
Species:	Human
Protein Source:	Pancreas
Concentration:	lot specific
Purity:	>95% pure by SDS-PAGE.
Buffer:	Presentation State: Purified State: Lyophilized purified protein.
Bioactivity:	Biological: Shows no chymotrypsin activity when assayed against N-succinyl-L-alanyl-L-alanyl-L-prolyl-L-phenylalanine-p-nitroanilide. Specific: $\geq 2.5$ units per mg protein. One unit is defined as the amount of enzyme that hydrolyzes one $\mu$ mole of N-Benzyl-L-arginine-pNA per minute at 25°C in 200 mM Tris-HCl, pH 7.8, 20 mM CaCl <sub>2</sub> .
Reconstitution Method:	Restore with 80.8 $\mu$ l 2mM HCl. Use product immediately after bringing to neutral pH to avoid auto-degradation.
Preparation:	Lyophilized purified protein.
Protein Description:	Human Trypsin
Note:	Caution: All human source materials have tested non-reactive for HIV1, HIV2, HCV, HBc antibodies and HBsAg. No test guarantees a product to be non-infectious. Therefore, all material derived from human fluids or tissues should be considered as potentially infectious.
Storage:	Store lyophilized product at -20°C. After reconstitution, store at 2-8°C for up to two weeks. Long term, store at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_002760</a>
Locus ID:	5644
Cytogenetics:	7q34
Synonyms:	TRP1; TRY1; TRY4; TRYP1


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<b>Summary:</b>	This gene encodes a trypsinogen, which is a member of the trypsin family of serine proteases. This enzyme is secreted by the pancreas and cleaved to its active form in the small intestine. It is active on peptide linkages involving the carboxyl group of lysine or arginine. Mutations in this gene are associated with hereditary pancreatitis. This gene and several other trypsinogen genes are localized to the T cell receptor beta locus on chromosome 7. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction